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Araştırma Alanları

Fizik

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Performance of machine learning algorithms in spectroscopic ellipsometry data analysis of ZnTiO₃ nanocomposite**
Barkhordari A., Mashayekhi H. R., Amiri P., ÖZÇELİK S., Hanife F., Azizian-Kalandaragh Y.
Scientific Reports, cilt.14, sa.1, 2024 (SCI-Expanded)
- II. **Fabrication and properties evaluation of chitosan/BaTiO₃ composite membranes for the periodontitis treatment**
Houshyar A., Ahmadian M., Azizian-Kalandaragh Y., Amirpour N., Salehi H.
Scientific Reports, cilt.14, sa.1, 2024 (SCI-Expanded)
- III. **The influence of the physicochemical processes on the electrical response of Al/p-Si structure with etched surface**
BADALI Y., AZIZIAN-KALANDARAGH Y.
Applied Physics A: Materials Science and Processing, cilt.130, sa.4, 2024 (SCI-Expanded)
- IV. **Effect of sulphidation process on the structure, morphology and optical properties of GO/AgNWs composites**
Baghirov M. B., Muradov M., Eyvazova G., AZIZIAN-KALANDARAGH Y., Mammadyarova S., Kim J., Gasimov E., Rzayev F.
RSC Advances, cilt.14, sa.4, ss.2320-2326, 2024 (SCI-Expanded)
- V. **The photoresponse behavior of a Schottky structure with a transition metal oxide-doped organic polymer (RuO₂:PVC) interface**
Elamen H., Badali Y., ULUSOY M., AZIZIAN-KALANDARAGH Y., ALTINDAL Ş., Güneşer M. T.
Polymer Bulletin, cilt.81, sa.1, ss.403-422, 2024 (SCI-Expanded)
- VI. **A comparison of electrical characteristics of the Au/n-Si Schottky diodes with (ZnCdS:GO(1:1) and (ZnCdS:GO(1:0.5) doped PVP interlayer using current-voltage (I-V) and impedance-voltage (Z-V) measurements**
Güçlü Ç., Tanrikulu E., Dere A., ALTINDAL Ş., AZIZIAN-KALANDARAGH Y.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.34, sa.28, 2023 (SCI-Expanded)
- VII. **Examination on the current conduction mechanisms of Au/n-Si diodes with ZnO-PVP and**

ZnO/Ag₂WO₄ –PVP interfacial layers

Taşcıoğlu I., Pirgholi-Givi G., Yerişkin S., AZIZIAN-KALANDARAGH Y.

Journal of Sol-Gel Science and Technology, cilt.107, sa.3, ss.536-547, 2023 (SCI-Expanded)

- VIII. **The investigation of interlayer (CeO₂:PVC) effects on the dielectric features of Au-Si (MS) Schottky barrier diodes (SBDs) using the impedance spectroscopy method**
Ganj T., Rozati S. M., Azizian-Kalandaragh Y., Pirgholi-Givi G.
PHYSICA SCRIPTA, cilt.98, sa.5, 2023 (SCI-Expanded)
- IX. **The impact of electrolyte solution concentrations on the optical characteristics of CdS nanoparticles**
Gahramanli L., Muradov M., AZIZIAN-KALANDARAGH Y., Eyvazova G., Balayeva O.
International Journal of Modern Physics B, cilt.37, sa.11, 2023 (SCI-Expanded)
- X. **A new criterion for self-healing quantification of structured light beams**
Saadati-Sharafteh F., Amiri P., Akhlaghi E. A., AZIZIAN-KALANDARAGH Y.
Journal of Optics (United Kingdom), cilt.25, sa.3, 2023 (SCI-Expanded)
- XI. **The temperature-dependent dielectric properties of the Au/ZnO-PVA/n-Si structure**
AZIZIAN-KALANDARAGH Y., Badali Y., Jamshidi-Ghozlu M., Hanife F., ÖZÇELİK S., ALTINDAL Ş., Pirgholi-Givi G.
Physica B: Condensed Matter, cilt.650, 2023 (SCI-Expanded)
- XII. **The Influence of PVC and (PVC:SnS) Interfacial Polymer Layers on the Electric and Dielectric Properties of Au/n-Si Structure**
Barkhordari A., Altındal Ş., Pirgholi-Givi G., Mashayekhi H., Özçelik S., Azizian-Kalandaragh Y.
SILICON, cilt.15, sa.2, ss.855-865, 2023 (SCI-Expanded)
- XIII. **Photocatalytic aspect of rGO/MnFe₂O₄ as an efficient magnetically retrievable catalyst for reduction of nitroaromatic compounds under visible-light irradiation**
Fuladi V., Bezaatpour A., Azizian-Kalandaragh Y., Amiri M., Nuri A., Nouhi S., Taffa D. H., Wark M.
Journal of Environmental Chemical Engineering, cilt.10, sa.5, 2022 (SCI-Expanded)
- XIV. **Dielectric properties and negative-capacitance/dielectric in Au/n-Si structures with PVC and (PVC:Sm₂O₃) interlayer**
ALTINDAL Ş., Barkhordari A., AZIZIAN-KALANDARAGH Y., ÇEVİRİMLİ B. S., Mashayekhi H. R.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.147, 2022 (SCI-Expanded)
- XV. **Dielectric Properties of PVP: BaTiO₃ Interlayer in the Al/PVP: BaTiO₃/P-Si Structure**
Barkhordari A., ÖZÇELİK S., Pirgholi-Givi G., Mashayekhi H. R., ALTINDAL Ş., AZIZIAN-KALANDARAGH Y.
SILICON, cilt.14, sa.10, ss.5437-5443, 2022 (SCI-Expanded)
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PHYSICA SCRIPTA, cilt.97, sa.5, 2022 (SCI-Expanded)
- XVII. **The illumination effects on the current conduction mechanisms of the Au/(Er₂O₃:PVC)/n-Si (MPS) Schottky diodes**
Altındal Ş., Azizian-Kalandaragh Y., Ulusoy M., Pirgholi-Givi G.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.139, sa.25, ss.1-12, 2022 (SCI-Expanded)
- XVIII. **The Impact of Dopant on the Dielectric Properties of Metal-Semiconductor With ZnFe₂O₄ Doped Organic Polymer Nanocomposites Interlayer**
Alsmal J. A. M., Tan S. O., Tecimer H. U., ALTINDAL Ş., AZIZIAN-KALANDARAGH Y.
IEEE TRANSACTIONS ON NANOTECHNOLOGY, cilt.21, ss.528-533, 2022 (SCI-Expanded)
- XIX. **A comparison of electrical characteristics of Au/n-Si (MS) structures with PVC and (PVC: Sm₂O₃) polymer interlayer**
ALTINDAL Ş., Barkhordari A., ÖZÇELİK S., Pirgholi-Givi G., Mashayekhi H. R., AZIZIAN-KALANDARAGH Y.
PHYSICA SCRIPTA, cilt.96, sa.12, 2021 (SCI-Expanded)
- XX. **Comparison of the electrical and impedance properties of Au/(ZnOMn:PVP)/n-Si (MPS) type Schottky-diodes (SDs) before and after gamma-irradiation**
ALTINDAL Ş., Barkhordari A., Pirgholi-Givi G., ULUSOY M., Mashayekhi H., ÖZÇELİK S., AZIZIAN-KALANDARAGH Y.
PHYSICA SCRIPTA, cilt.96, sa.12, 2021 (SCI-Expanded)

- XXI. **Effect of Ni-doping on the structural, magnetic, and electronic properties of La_{0.2}Sr_{0.8}MnO₃ perovskite**
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JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.22, ss.26984-26997, 2021 (SCI-Expanded)
- XXII. **Formation of CdS/ZnS nanoparticles in polymer matrix by SILAR method: Experiments and exploring its optical properties with DDA calculations**
Siabi-Garjan A., Farazin J., Pirgholi-Givi G., Azizian-Kalandaragh Y.
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- XXIII. **Effect of (Co-TeO₂-doped polyvinylpyrrolidone) organic interlayer on the electrophysical characteristics of Al/p-Si (MS) structures**
Farazin J., Asl M. S., Pirgholi-Givi G., Delbari S. A., Namini A. S., ALTINDAL Ş., AZIZIAN-KALANDARAGH Y.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.17, ss.21909-21922, 2021 (SCI-Expanded)
- XXIV. **Graphene doped (Bi₂Te₃-Bi₂O₃-TeO₂): PVP dielectrics in metal-semiconductor structures**
Badali Y., Farazin J., Pirgholi-Givi G., ALTINDAL Ş., Azizian-Kalandaragh Y.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.127, sa.9, 2021 (SCI-Expanded)
- XXV. **On the frequency-dependent complex-dielectric, complex-electric modulus and conductivity in Au/(NiS:PVP)/n-Si structures**
ALTINDAL Ş., ULUSOY M., ÖZÇELİK S., AZIZIAN-KALANDARAGH Y.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.15, ss.20071-20081, 2021 (SCI-Expanded)
- XXVI. **The effect of PVP: BaTiO₃ interlayer on the conduction mechanism and electrical properties at MPS structures**
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PHYSICA SCRIPTA, cilt.96, sa.8, 2021 (SCI-Expanded)
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Journal of Materials Science: Materials in Electronics, cilt.32, sa.10, ss.13693-13707, 2021 (SCI-Expanded)
- XXVIII. **Evolution of microstructure, strain and physical properties of quaternary nanoparticles La_{0.8-x}Ce_xAg_{0.2}MnO₃ perovskites**
Hamdaoui N., Azizian-Kalandaragh Y., Zaidi B., Akl A. A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, cilt.127, sa.5, 2021 (SCI-Expanded)
- XXIX. **A Compare Study on Electrical Properties of MS Diodes with and Without CoFe₂O₄-PVP Interlayer**
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JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, cilt.31, sa.4, ss.1668-1675, 2021 (SCI-Expanded)
- XXX. **Nonzero coercivity of Fe₃O₄/polyvinyl alcohol nanocomposites synthesized by different polymer-assisted co-precipitation processes**
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POLYMER BULLETIN, cilt.78, sa.4, ss.2177-2189, 2021 (SCI-Expanded)
- XXXI. **Comparison of the photocatalytic activity of perovskite structures: Bismuth, barium, and zinc titanate nanostructures for photodegradation of methylene blue from water**
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Journal of Photochemistry and Photobiology A: Chemistry, cilt.408, 2021 (SCI-Expanded)
- XXXII. **The effect of cadmium impurities in the (PVP-TeO₂) interlayer in Al/p-Si (MS) Schottky barrier diodes (SBDs): Exploring its electrophysical parameters**
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Physica B: Condensed Matter, cilt.604, 2021 (SCI-Expanded)
- XXXIII. **Electrical characterization of Au/n-Si (MS) diode with and without graphene-polyvinylpyrrolidone**

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JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, cilt.32, sa.3, ss.3451-3459, 2021 (SCI-Expanded)

- XXXIV. **Investigation of the variation of dielectric properties by applying frequency and voltage to Al/(CdS-PVA)/p-Si structures**

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JOURNAL OF MOLECULAR STRUCTURE, cilt.1224, 2021 (SCI-Expanded)

- XXXV. **Frequency Response of C-V and G/ω-V Characteristics of Au/(Nanographite-doped PVP)/n-Si Structures**

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Journal of Materials Science: Materials in Electronics, cilt.32, sa.1, ss.993-1006, 2021 (SCI-Expanded)

- XXXVI. **Complex dielectric, complex electric modulus, and electrical conductivity in Al/(Graphene-PVA)/p-Si (metal-polymer-semiconductor) structures**

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Journal of Physics and Chemistry of Solids, cilt.148, 2021 (SCI-Expanded)

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IEEE Sensors Journal, cilt.20, sa.23, ss.14081-14089, 2020 (SCI-Expanded)

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INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, cilt.93, 2020 (SCI-Expanded)

- XXXIX. **On the electrical characteristics of Al/p-Si diodes with and without (PVP: Sn-TeO₂) interlayer using current-voltage (I-V) measurements**

Sabahi Namini A., Shahedi Asl M., Pirgholi-Givi G., Delbari S. A., Farazin J., ALTINDAL Ş., Azizian-Kalandaragh Y.

Applied Physics A: Materials Science and Processing, cilt.126, sa.12, 2020 (SCI-Expanded)

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JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, cilt.115, ss.279-292, 2020 (SCI-Expanded)

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Journal of Materials Science: Materials in Electronics, cilt.31, sa.14, ss.11665-11672, 2020 (SCI-Expanded)
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OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, sa.5-6, ss.256-260, 2020 (SCI-Expanded)
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INTERNATIONAL JOURNAL OF REFRACTORY METALS & HARD MATERIALS, cilt.83, 2019 (SCI-Expanded)
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IEEE Transactions on Electron Devices, cilt.66, sa.7, ss.3103-3109, 2019 (SCI-Expanded)
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PHYSICA B-CONDENSED MATTER, cilt.564, ss.94-103, 2019 (SCI-Expanded)
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SURFACE REVIEW AND LETTERS, cilt.26, sa.5, 2019 (SCI-Expanded)
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Journal of Materials Science: Materials in Electronics, cilt.30, sa.10, ss.9572-9581, 2019 (SCI-Expanded)
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Physica B: Condensed Matter, cilt.561, ss.1-8, 2019 (SCI-Expanded)

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JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.14, sa.2, ss.177-183, 2019 (SCI-Expanded)
- LXXIII. **The effect of poly vinyl alcohol matrix on the light absorbance of Ag₂S nanoparticles; experimental and discrete dipole approximation results**
Siabi-Garjan A., Fakhri-Mirzanagh S., Azizian-Kalandaragh Y.
JOURNAL OF QUANTITATIVE SPECTROSCOPY & RADIATIVE TRANSFER, cilt.222, ss.26-34, 2019 (SCI-Expanded)
- LXXIV. **A comparison of electrical parameters of Au/n-Si and Au/(CoSO₄-PVP)/n-Si structures (SBDs) to determine the effect of (CoSO₄-PVP) organic interlayer at room temperature**
ALTINDAL Ş., Sevgili O., Azizian-Kalandaragh Y.
Journal of Materials Science: Materials in Electronics, 2019 (SCI-Expanded)
- LXXV. **Current-Transport Mechanisms of the Al/(Bi₂S₃-PVA Nanocomposite)/p-Si Schottky Diodes in the Temperature Range Between 220 K and 380 K**
Boughdachi S., Badali Y., Azizian-Kalandaragh Y., Altindal Ş.
Journal of Electronic Materials, cilt.47, sa.12, ss.6945-6953, 2018 (SCI-Expanded)
- LXXVI. **Formation of ZnO nanopowders by the simple ultrasound-assisted method: Exploring the dielectric and electric properties of the Au/(ZnO-PVA)/n-Si structure**
Nezhadesm-Kohardafchahi S., Farjami-Shayesteh S., Badali Y., Altindal Ş., Jamshidi-Ghozlu M. A., Azizian-Kalandaragh Y.
Materials Science in Semiconductor Processing, cilt.86, ss.173-180, 2018 (SCI-Expanded)
- LXXVII. **Temperature and Interfacial Layer Effects on the Electrical and Dielectric Properties of Al/(CdS-PVA)/p-Si (MPS) Structures**
Demir G. E., Yucedag I., Azizian-Kalandaragh Y., ALTINDAL Ş.
Journal of Electronic Materials, cilt.47, sa.11, ss.6600-6606, 2018 (SCI-Expanded)
- LXXVIII. **Reinforcing effects of SiC whiskers and carbon nanoparticles in spark plasma sintered ZrB₂ matrix composites**
Azizian-Kalandaragh Y., Namini A. S., Ahmadi Z., Asl M. S.
CERAMICS INTERNATIONAL, cilt.44, sa.16, ss.19932-19938, 2018 (SCI-Expanded)
- LXXIX. **Preparation of mixed copper/PVA nanocomposites as an interface layer for fabrication of Al/Cu-PVA/p-Si Schottky structures**
Akhlaghi E. A., Badali Y., ALTINDAL Ş., Azizian-Kalandaragh Y.
Physica B: Condensed Matter, cilt.546, ss.93-98, 2018 (SCI-Expanded)
- LXXX. **Preparation of Cadmium Sulfide Nanostructures in Presence of Polyvinyl Alcohol and Polyvinylpyrrolidone as a Capping Agent and Investigation of Their Structural and Optical Properties**
AZIZIAN-KALANDARAGH Y.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.13, sa.10, ss.1454-1459, 2018 (SCI-Expanded)
- LXXXI. **Determining electrical and dielectric parameters of Al/ZnS-PVA/p-Si (MPS) structures in wide range of temperature and voltage**
BARAZ N., Yucedag I., Azizian-Kalandaragh Y., ALTINDAL Ş.
Journal of Materials Science: Materials in Electronics, cilt.29, sa.15, ss.12735-12743, 2018 (SCI-Expanded)
- LXXXII. **Preparation of (CuS-PVA) interlayer and the investigation their structural, morphological and optical properties and frequency dependent electrical characteristics of Au/(CuS-PVA)/n-Si (MPS) structures**
ERBİLEN TANRIKULU E., ALTINDAL Ş., Azizian-Kalandaragh Y.
Journal of Materials Science: Materials in Electronics, cilt.29, sa.14, ss.11801-11811, 2018 (SCI-Expanded)
- LXXXIII. **Electrical and impedance properties of MPS structure based on (Cu₂O-CuO-PVA) interfacial layer**
Buyukbas-Ulusan A., Yeriskin S. A., TATAROĞLU A., Balbasi M., Kalandaragh Y.
Journal of Materials Science: Materials in Electronics, cilt.29, sa.10, ss.8234-8243, 2018 (SCI-Expanded)
- LXXXIV. **The role of annealing and synthesis conditions on the optical and morphological characteristics of**

CuO porous nanofilms

Akbari H., Azizian-Kalandaragh Y.

Journal of Optoelectronics and Advanced Materials, cilt.20, ss.175-179, 2018 (SCI-Expanded)

- LXXXV. **Preparation and characterization of polysulfone/graphene oxide nanocomposite membranes for the separation of methylene blue from water**
Badrinezhad L., Ghasemi S., Azizian-Kalandaragh Y., Nematollahzadeh A.
POLYMER BULLETIN, cilt.75, sa.2, ss.469-484, 2018 (SCI-Expanded)
- LXXXVI. **Preparation of Lead Oxide Nanostructures in Presence of Polyvinyl Alcohol (PVA) as Capping Agent and Investigation of Their Structural and Optical Properties**
Azizian-Kalandaragh Y.
JOURNAL OF SEMICONDUCTOR TECHNOLOGY AND SCIENCE, cilt.18, sa.1, ss.91-99, 2018 (SCI-Expanded)
- LXXXVII. **Preparation and characterization of cross-linked poly (vinyl alcohol)-graphene oxide nanocomposites as an interlayer for Schottky barrier diodes**
Badrinezhad L., BİLKAN Ç., Azizian-Kalandaragh Y., Nematollahzadeh A., Orak I., ALTINDAL Ş.
International Journal of Modern Physics B, cilt.32, sa.1, 2018 (SCI-Expanded)
- LXXXVIII. **On the conduction mechanisms of Au/(Cu₂O-CuO-PVA)/n-Si (MPS) Schottky barrier diodes (SBDs) using current-voltage-temperature (I-V-T) characteristics**
Ulusan A. B., TATAROĞLU A., Azizian-Kalandaragh Y., Altindal Ş.
Journal of Materials Science: Materials in Electronics, cilt.29, sa.1, ss.159-170, 2018 (SCI-Expanded)
- LXXXIX. **The effect of oleic acid concentration on the optical, structural, and magnetic properties of cobalt oxide nanostructures prepared by ultrasound-assisted method**
Azizian-Kalandaragh Y., Shokrani-Havigh R.
INORGANIC AND NANO-METAL CHEMISTRY, cilt.48, sa.1, ss.1-7, 2018 (SCI-Expanded)
- XC. **Facile ultrasound-assisted and microwave-assisted methods for preparation of Bi₂S₃-PVA nanostructures: exploring their pertinent structural and optical properties and comparative studies on the electrical, properties of Au/(Bi₂S₃-PVA)/n-Si Schottky structure**
Boughdachi S., Azizian-Kalandaragh Y., Badali Y., Altindal S.
Journal of Materials Science: Materials in Electronics, cilt.28, sa.23, ss.17948-17960, 2017 (SCI-Expanded)
- XCI. **Series resistance and interface states effects on the C-V and G/w-V characteristics in Au/(Co₃O₄-doped PVA)/n-Si structures at room temperature**
Demirezen S., Orak I., Azizian-Kalandaragh Y., Altindal Ş.
Journal of Materials Science: Materials in Electronics, cilt.28, sa.17, ss.12967-12976, 2017 (SCI-Expanded)
- XCII. **Facile sonochemical preparation of size controlled bismuth hydroxide and oxide nanostructures in the presence of polyvinyl alcohol (PVA) as a capping agent**
Sedaghatdoust-Bodagh F., Azizian-Kalandaragh Y.
Journal of Optoelectronics and Advanced Materials, cilt.19, ss.663-669, 2017 (SCI-Expanded)
- XCIII. **Thermodynamic geometry, condensation and Debye model of two-parameter deformed statistics**
Mohammadzadeh H., Azizian-Kalandaragh Y., Cheraghpour N., Adli F.
JOURNAL OF STATISTICAL MECHANICS-THEORY AND EXPERIMENT, 2017 (SCI-Expanded)
- XCIV. **On the temperature dependent current transport mechanisms and barrier inhomogeneity in Au/SnO₂-PVA/n-Si Schottky barrier diodes**
Bilkan C., Badali Y., Fotouhi-Shablou S., Azizian-Kalandaragh Y., Altindal Ş.
Applied Physics A: Materials Science and Processing, cilt.123, sa.8, 2017 (SCI-Expanded)
- XCV. **Electric and Dielectric Properties of Au/ZnS-PVA/n-Si (MPS) Structures in the Frequency Range of 10-200 kHz**
BARAZ N., Yucedag I., Azizian-Kalandaragh Y., Ersoz G., Orak I., Altindal E., Akbari B., Akbari H.
Journal of Electronic Materials, cilt.46, sa.7, ss.4276-4286, 2017 (SCI-Expanded)
- XCVI. **Investigation of frequency and voltage dependence surface states and series resistance profiles using admittance measurements in Al/p-Si with Co₃O₄-PVA interlayer structures**
BİLKAN Ç., ALTINDAL Ş., Azizian-Kalandaragh Y.
Physica B: Condensed Matter, cilt.515, ss.28-33, 2017 (SCI-Expanded)

- XCVII. Characterization of Some Electrical Properties of CdS-Gelatin Nanocomposites Using Hall Measurement Technique**
Azizian-Kalandaragh Y., Sedaghatdoust-Bodagh F., Alizadeh-Gheshlaghi E., Khodayari A.
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, cilt.12, sa.3, ss.231-235, 2017 (SCI-Expanded)
- XCVIII. Preparation of cobalt hydroxide and cobalt oxide nanostructures using ultrasonic waves and investigation of their optical and structural properties**
Shokrani-Havigh R., Azizian-Kalandaragh Y.
Journal of Optoelectronics and Advanced Materials, cilt.19, ss.283-288, 2017 (SCI-Expanded)
- XCIX. Sonochemical preparation of Ag₂O-PVA nanocomposites: study on pertinent structural and optical properties and exploring the effect of gamma and neutron irradiation**
Behmanesh B., Rezaei-Ochbelagh D., Azizian-Kalandaragh Y., Imanzadeh-Karkaragh G.
CURRENT SCIENCE, cilt.112, sa.4, ss.735-742, 2017 (SCI-Expanded)
- C. Determining electrical and dielectric parameters of dependence as function of frequencies in Al/ZnS-PVA/p-Si (MPS) structures**
BARAZ N., Yucedag I., Azizian-Kalandaragh Y., ALTINDAL Ş.
Journal of Materials Science: Materials in Electronics, cilt.28, sa.2, ss.1315-1321, 2017 (SCI-Expanded)
- CI. Frequency and voltage dependence dielectric properties, ac electrical conductivity and electric modulus profiles in Al/Co₃O₄-PVA/p-Si structures**
BİLKAN Ç., Azizian-Kalandaragh Y., ALTINDAL Ş., Shokrani-Havigh R.
Physica B: Condensed Matter, cilt.500, ss.154-160, 2016 (SCI-Expanded)
- CII. Investigation of Electrical Characteristics in Al/CdS-PVA/p-Si (MPS) Structures Using Impedance Spectroscopy Method**
Ersoz G., Yucedag I., Azizian-Kalandaragh Y., Orak I., ALTINDAL Ş.
IEEE Transactions on Electron Devices, cilt.63, sa.7, ss.2948-2955, 2016 (SCI-Expanded)
- CIII. Optical characterization of semiconductor CdS nanoparticles formed in polymer matrix**
Azizian-Kalandaragh Y., ÖZÇELİK S.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.10, ss.537-540, 2016 (SCI-Expanded)
- CIV. Theoretical investigation of optical absorption process and J-V characteristics in nanostructured CuPc-C₆₀ bilayer solar cells**
Azizian-Kalandaragh Y., Dournama M., Abdolazadeh-Ziabari A.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.10, ss.378-384, 2016 (SCI-Expanded)
- CV. Investigation of optical and structural properties of sonochemically prepared 3-mercaptopropionic acid capped bismuth sulfide nanostructures**
Azizian-Kalandaragh Y.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.10, ss.201-204, 2016 (SCI-Expanded)
- CVI. Fe₃O₄-PVAc nanocomposites: surface modification of sonochemically prepared magnetite nanoparticles via chemical grafting of poly(vinyl acetate)**
Mansoori Y., Khodayari A., Banaei A., Mirzaeinejad M., Azizian-Kalandaragh Y., Pooresmaeil M.
RSC ADVANCES, cilt.6, sa.54, ss.48676-48683, 2016 (SCI-Expanded)
- CVII. Ultrasound-assisted preparation and characterization of beta-Bi₂O₃ nanostructures: Exploring the photocatalytic activity against rhodamine B**
Azizian-Kalandaragh Y., Sedaghatdoust-Bodagh F., Habibi-Yangjeh A.
SUPERLATTICES AND MICROSTRUCTURES, cilt.81, ss.151-160, 2015 (SCI-Expanded)
- CVIII. Effect of post-annealing treatment on the wetting, optical and structural properties of Ag/Indium tin oxide thin films prepared by electron beam evaporation technique**
Azizian-Kalandaragh Y., Nouhi S., Amiri M.
MATERIALS EXPRESS, cilt.5, sa.2, ss.137-145, 2015 (SCI-Expanded)
- CIX. Facile synthesis of silver nanostructures by using various deposition potential and time: A nonenzymetic sensor for hydrogen peroxide**
Amiri M., Nouhi S., Azizian-Kalandaragh Y.
MATERIALS CHEMISTRY AND PHYSICS, cilt.155, ss.129-135, 2015 (SCI-Expanded)

- CX. **Structural and Biological Properties of CuO Nanoparticles Prepared Under Ultrasonic Irradiation**
Germi K. G., Shabani F., Khodayari A., Azizian-Kalandaragh Y.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, cilt.44, sa.9, ss.1286-1290, 2014 (SCI-Expanded)
- CXI. **Preparation of CuO nanopowders and their catalytic activity in photodegradation of Rhodamine-B**
Shaabani B., Alizadeh-Gheshlaghi E., Azizian-Kalandaragh Y., Khodayari A.
ADVANCED POWDER TECHNOLOGY, cilt.25, sa.3, ss.1043-1052, 2014 (SCI-Expanded)
- CXII. **Dielectric and optical properties of CdS-polymer nanocomposites prepared by the successive ionic layer adsorption and reaction (SILAR) method**
Azizian-Kalandaragh Y., AYDEMİR U., ALTINDAL Ş.
Journal of Electronic Materials, cilt.43, sa.4, ss.1226-1231, 2014 (SCI-Expanded)
- CXIII. **Comparison of quantum confinement effect on the reduced effective mass of CdSe nanocrystals prepared by different methods**
Azizian-Kalandaragh Y., Alizadeh-Siakeshi N.
Journal of Optoelectronics and Advanced Materials, cilt.16, ss.345-350, 2014 (SCI-Expanded)
- CXIV. **Sonochemically prepared PbS nanostructures and investigation of their optical and structural properties**
Hosseini Z., Azizian-Kalandaragh Y., Khodayari A., Nedaee-Shakarab B.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.8, ss.201-203, 2014 (SCI-Expanded)
- CXV. **Convenient preparation of CdS nanostructures as a highly efficient photocatalyst under blue LED and solar light irradiation**
Eskandari P., Kazemi F., Azizian-Kalandaragh Y.
SEPARATION AND PURIFICATION TECHNOLOGY, cilt.120, ss.180-185, 2013 (SCI-Expanded)
- CXVI. **Effect of pH on the structural and optical properties of ZnS nanoparticles embedded in PVA matrix**
Farjami Shayesteh S., Kolahi S., Azizian-Kalandaragh Y.
Indian Journal of Pure and Applied Physics, cilt.51, sa.11, ss.780-783, 2013 (SCI-Expanded)
- CXVII. **The influence of post-annealing treatment on the wettability of Ag⁺/Na⁺ ion-exchanged soda-lime glasses**
Razzaghi A., Maleki M., Azizian-Kalandaragh Y.
APPLIED SURFACE SCIENCE, cilt.270, ss.604-610, 2013 (SCI-Expanded)
- CXVIII. **Effect of Zn Addition on the Reduction of the Ordering Temperature of FePt Nanoparticles**
Zeynali H., Akbari H., Ghasabeh R. K., Azizian-Kalandaragh Y., Hosseinpour-Mashkani S. M., Baradaran J.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, cilt.26, sa.3, ss.713-717, 2013 (SCI-Expanded)
- CXIX. **Aqueous synthesis of CdO nanoparticles under ultrasonic waves and evaluation of their structural, morphological and optical properties**
Javan N., Azizian-Kalandaragh Y., Khodayari A.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.7, ss.639-642, 2013 (SCI-Expanded)
- CXX. **Strong quantum confinement effects in SnS nanocrystals produced by ultrasound-assisted method**
Azizian-Kalandaragh Y., Khodayari A., Zeng Z., Garoufalis C. S., Baskoutas S., Cervera Gontard L.
JOURNAL OF NANOPARTICLE RESEARCH, cilt.15, sa.1, 2013 (SCI-Expanded)
- CXXI. **Preparation of alpha-Fe₂O₃ nanostructures via simple ultrasound-assisted method**
Hasanzadeh J., AZIZIAN-KALANDARAGH Y., Khodayari A.
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS, cilt.14, ss.473-477, 2012 (SCI-Expanded)
- CXXII. **Investigation of the catalytic activity of nano-sized CuO, Co₃O₄ and CuCo₂O₄ powders on thermal decomposition of ammonium perchlorate**
Alizadeh-Gheshlaghi E., Shaabani B., Khodayari A., Azizian-Kalandaragh Y., Rahimi R.
POWDER TECHNOLOGY, cilt.217, ss.330-339, 2012 (SCI-Expanded)
- CXXIII. **Formation of silver nanoparticles inside a soda-lime glass matrix in the presence of a high intensity Ar⁺ laser beam**
Niry M. D., Mostafavi-Amjad J., Kholesifard H. R., Ahangary A., Azizian-Kalandaragh Y.
JOURNAL OF APPLIED PHYSICS, cilt.111, sa.3, 2012 (SCI-Expanded)

- CXXIV. **Preparation of $\alpha\text{-Fe}_2\text{O}_3$ nanostructures via simple ultrasound-assisted method**
Hasanzadeh J., Azizian-Kalandaragh Y., Khodayari A.
Journal of Optoelectronics and Advanced Materials, cilt.14, ss.473-477, 2012 (SCI-Expanded)
- CXXV. **Comparative studies on energy-dependence of reduced effective mass in quantum confined ZnS semiconductor nanocrystals prepared in polymer matrix**
Kolahi S., Farjami-Shayesteh S., Azizian-Kalandaragh Y.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.14, ss.294-301, 2011 (SCI-Expanded)
- CXXVI. **Ultrasound-assisted preparation of CdSe nanocrystals in the presence of Polyvinyl alcohol as a capping agent**
Azizian-Kalandaragh Y., Khodayari A.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.13, sa.4, ss.225-230, 2010 (SCI-Expanded)
- CXXVII. **Aqueous synthesis and characterization of nearly monodispersed ZnS nanocrystals**
Azizian-Kalandaragh Y., Khodayari A.
PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, cilt.207, sa.9, ss.2144-2148, 2010 (SCI-Expanded)
- CXXVIII. **Impedance spectroscopy (IS) and thermally stimulated discharged current (TSDC) studies on CdSe-PVA nanocomposites prepared by ultrasound-assisted method**
Azizian-Kalandaragh Y.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.4, sa.2, ss.174-179, 2010 (SCI-Expanded)
- CXXIX. **Effect of thermal annealing and gamma irradiation on the optical properties of CdS-polymer nanocomposites**
Rezaei-Ochbelagh D., Azizian-Kalandaragh Y., Khodayari A.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.4, sa.6, ss.881-883, 2010 (SCI-Expanded)
- CXXX. **Dielectric properties of CdS-PVA nanocomposites prepared by ultrasound-assisted method**
Azizian-Kalandaragh Y.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.4, sa.11, ss.1655-1658, 2010 (SCI-Expanded)
- CXXXI. **Ultrasound-assisted synthesis of ZnO semiconductor nanostructures**
Azizian-Kalandaragh Y., Khodayari A., Behboudnia M.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, cilt.12, ss.142-145, 2009 (SCI-Expanded)
- CXXXII. **Structural, compositional and optical characterization of water soluble CdS nanoparticles synthesized by ultrasonic irradiation**
Kalandaragh Y., Muradov M., Mamedov R., Behboudnia M., Khodayari A.
Optoelectronics and Advanced Materials, Rapid Communications, cilt.2, sa.1, ss.42-45, 2008 (SCI-Expanded)
- CXXXIII. **Growth process and investigation of some physical properties of CdS nanocrystals formed in polymer matrix by successive ionic layer adsorption and reaction (SILAR) method**
Kalandaragh Y., Muradov M. B., Mamedov R. K., Khodayari A.
JOURNAL OF CRYSTAL GROWTH, cilt.305, sa.1, ss.175-180, 2007 (SCI-Expanded)
- CXXXIV. **Synthesis and characterization of CdSe semiconductor nanoparticles by ultrasonic irradiation**
Behboudnia M., Azizian-Kalandaragh Y.
MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY, cilt.138, sa.1, ss.65-68, 2007 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Impact of p-type Semiconductor Substrate on the Transient Response of Metal-Semiconductor-Metal Photodetector**
Barkhordari A., Mashayekhi H. R., ALTINDAL Ş., ÖZÇELİK S., AZIZIAN-KALANDARAGH Y.
Journal of Theoretical and Applied Physics, 2022 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Optimization of ASE Light Source Design for Enhancement of Wavelength Stability**
Akbas E. E., Yertutanol A., Andac T., Ozbay E., AZIZIAN-KALANDARAGH Y.
2023 IEEE SENSORS, SENSORS 2023, Vienna, Avusturya, 29 Ekim - 01 Kasım 2023
- II. **Metalens for creation of the longitudinally polarized photonic needle**
Khonina S., Savelyev D., Degtyarev S., Azizian-Kalandaragh Y.
5th International Conference on Information Technology and Nanotechnology, ITNT 2019, Samara, Rusya, 21 - 24 Mayıs 2019, cilt.1368
- III. **Morphological and structural properties of metamaterial based on ITO/Sapphire/ZnS/Al superlattice**
Akin B., ALTINDAL Ş., Farazin J., Pirgholi-Givi G., Azizian-Kalandaragh Y.
21st International Conference on Electromagnetics in Advanced Applications, ICEAA 2019, Granada, İspanya, 9 - 13 Eylül 2019, ss.816-819
- IV. **Utilization of Al₂O₃/PVP nanocomposite as an interfacial layer for schottky structures**
Akin B., Pirgholi-Givi G., Farazin J., Azizian-Kalandaragh Y., ALTINDAL Ş.
13th International Congress on Artificial Materials for Novel Wave Phenomena, Metamaterials 2019, Rome, İtalya, 16 - 21 Eylül 2019
- V. **The optical response of ZnS nanoparticle embedded in PVA matrix**
Shayesteh S. F., Kolahi S., Azizian Y.
2012 International Conference on Enabling Science and Nanotechnology, ESciNano 2012, Johor, Malezya, 5 - 07 Ocak 2012

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Atıf (Scopus): 2500

H-İndeks (WoS): 30

H-İndeks (Scopus): 29