

Prof. YILDIRIM AYDOĞDU

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: B-5012-2017

ScopusID: 57142599300

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Research Areas

Mechanical Properties, Physical Properties, Electrical and Magnetic Properties, Polymeric Materials, Biomaterials, Material Characterization, Thermal Properties, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Fizik, 2013 - Continues

Professor, Gazi University, Atatürk Meslek Yüksekokulu, Elektrik ve Otomasyon, 2011 - 2012

Professor, Firat University, Faculty Of Science, Department Of Physics, 2005 - 2011

Associate Professor, Firat University, Faculty Of Science, Department Of Physics, 2000 - 2005

Assistant Professor, Firat University, Faculty Of Science, Department Of Physics, 1994 - 2000

Lecturer, Firat University, Tunceli Vocational School, 1989 - 1994

Lecturer, Van Yüzüncü Yil University, 1988 - 1989

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Fizik, 1985 - 1988

Academic and Administrative Experience

Head of Department, Gazi University, Fen Fakültesi, Fizik, 2020 - 2023

Gazi University, Atatürk Meslek Yüksekokulu, Elektronik Ve Otomasyon Bölümü, 2011 - 2012

Manager of Research and Application Center, Firat University, Advanced Technology Application And Research Center, 2010 - 2011

Member of the Senate, Firat University, Faculty Of Science, 2010 - 2011

Firat University, Fen Fakültesi, Fizik Bölümü, 2008 - 2011

Firat University, Fen Fakültesi, Fizik Bölümü, 2007 - 2011

Yüksekokul Yönetim Kurulu Üyesi, Firat University, School Of Physical Education And Sports, 2005 - 2007

Fakülte Kurulu Üyesi, Firat University, Faculty Of Arts And Sciences, 2001 - 2004

Fakülte Yönetim Kurulu Üyesi, Firat University, Faculty Of Arts And Sciences, 2001 - 2004

Firat University, Fen Fakültesi, 2001 - 2004

Firat University, Fen Fakültesi, Fizik Bölümü, 1999 - 2001

Supervised Theses

- Aydođdu Y., The investigation of physical properties of boron doped Ni-Mn based polycrystalline shape memory alloys, Doctorate, G.KILIÇ(Student), 2023
- Aydođdu Y., The Investigation Of Thermal And Antimicrobial Properties Of Ni-Mn Based Shape Memory Alloys, Doctorate, O.Kareem(Student), 2020
- AYDOĐDU Y., Investigation Of Thermal And Electrical Properties Of Ni-Mn-Sn Shape Memory Alloys, Postgraduate, S.DAĐ(Student), 2019
- AYDOĐDU Y., Metal Oxide Uv Detector Array Fabrication And Characterization, Postgraduate, G.MEHMETOĐLU(Student), 2019
- AYDOĐDU Y., Őekil hatırlamalı Cu-Al-Co alařımının üretimi ve fiziksel özelliklerinin incelenmesi, Postgraduate, F.KÜRÜM(Student), 2013
- AYDOĐDU Y., NiMnGa alařımının fiziksel özelliklerine termal yařlandırmanın etkisi ve x ışını mikrotomografi analizi, Postgraduate, C.YALÇIN(Student), 2012
- AYDOĐDU Y., Ni-Mn-Ga ferromanyetik Őekil hatırlamalı alařımının fiziksel özellikleri üzerine alařım oranı ve ısıl işlem etkisinin incelenmesi, Doctorate, M.KÖK(Student), 2011
- AYDOĐDU Y., Cualmn ferromanyetik Őekil hafızalı alařım üretimi, termal ve manyetik özelliklerinin incelenmesi, Postgraduate, M.ŐAŐMAZ(Student), 2010
- AYDOĐDU Y., Ultrasonik spreyleme ve termal buharlařtırma yöntemleri kullanılarak MgB₂ süperiletken ince filmlerin üretilmesi ve karakterizasyonu, Doctorate, Z.DENİZ(Student), 2010
- AYDOĐDU Y., DSC ile termal iletkenlik ölçümü ve uygulamaları, Postgraduate, M.KÖK(Student), 2006
- AYDOĐDU Y., Geçiř metal komplekslerinin elektrik ve elektronik özelliklerinin incelenmesi, Doctorate, F.YAKUPHANOĐLU(Student), 2002
- AYDOĐDU Y., Bazı polimerlerin elektriksel iletkenlik özelliklerinin incelenmesi, Postgraduate, D.ÖZMEN(Student), 1999
- AYDOĐDU Y., Bazı amin-metal komplekslerinin elektriksel özelliklerinin incelenmesi, Postgraduate, F.YAKUPHANOĐLU(Student), 1998

Research Infrastructure Information

- Aydođdu Y., Aydođdu A., İleri Teknolojik Malzemeler Arařtırma Laboratuvarı, January 2013
- Aydođdu Y., Aydođdu A., Yarıiletken Malzemeler Arařtırma Laboratuvarı, January 2000

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Exploring the impact of Dy₂O₃ nanoparticles on the physical characteristics of poly(lactic acid) and polyhydroxyalkanoate composites**
KÖK M., Mohammed K. S., Öner E. Ö., Qader I. N., AYDOĐDU Y.
Journal of Polymer Research, vol.32, no.1, 2025 (SCI-Expanded)
- II. **Development of a PLA/PHA-TiO₂ Polymer Blend with Improved Physicochemical and Thermal Properties**
Qader I. N., Kök M., Mohammed K. S., Coskun M., Öner E. Ö., AYDOĐDU Y.
Journal of Polymers and the Environment, 2025 (SCI-Expanded)
- III. **Production of smart polymer blend filament from waste PET obtained water bottles: investigation of thermal and shape memory behavior**
Öner E. Ö., Kök M., Pekdemir M. E., Aydođmuş E., Saydam S., AYDOĐDU Y.
Macromolecular Research, vol.32, no.12, pp.1267-1274, 2024 (SCI-Expanded)
- IV. **Valorization of bio-calcium carbonate based Chamelea gallina shell waste fillers in shape memory polymer composites**
Selçuk Pekdemir S., ONAY H., Özen Öner E., Pekdemir M. E., Kök M., ATEŐ B., AYDOĐDU Y., DALGIÇ G.

Journal of Applied Polymer Science, vol.141, no.14, 2024 (SCI-Expanded)

- V. **Structural and molecular characterization of collagen-type I extracted from lamb feet**
Ata O., Bakar B., Turkoz B. K., Kumcuoglu S., AYDOĞDU Y., Gumustas B., Doganay G. D., Basturk E., Tavman S.
Journal of Food Science, vol.89, no.1, pp.330-341, 2024 (SCI-Expanded)
- VI. **A study on isothermal oxidation kinetics using thermogravimetric method of TiNiNb shape memory alloys**
Balci E., Somunkiran I., Ercan E., Dagdelen F., AYDOĞDU Y.
Journal of Thermal Analysis and Calorimetry, vol.148, no.24, pp.14253-14260, 2023 (SCI-Expanded)
- VII. **Investigation on the transport and magnetism properties of the boron-substituted NiMnSb**
Kılıç G., Abboosh O., Kirat G., Aksan M. A., Aydoğdu A., Aydoğdu Y.
Journal of Thermal Analysis and Calorimetry, vol.148, no.17, pp.8871-8878, 2023 (SCI-Expanded)
- VIII. **Physicochemical properties of magnetically enhanced shape memory polymer composites doped with NiMnGa**
Pekdemir M. E., Kaya M., COŞKUN M., AYDOĞDU Y., Kök M., Kuzu S. Y.
Journal of Polymer Research, vol.30, no.8, 2023 (SCI-Expanded)
- IX. **Mathematical Calculation of Material Reliability Using Surface Roughness Feature Based on Plasma Material Interaction Experiment Results**
Pahsa A., Aydoğdu Y., Göktaş F.
EKSPLOATACJA I NIEZAWODNOSC, vol.25, no.3, pp.1-10, 2023 (SCI-Expanded)
- X. **Active Films Based on Faba Bean (*Vicia faba* L.) Flour Incorporated with Sumac (*Rhus coriaria*): Assessment of Antioxidant and Antimicrobial Performances of Packaging for Shelf Life of Chicken Breast**
Emir A. A., YILDIZ E., AYDOĞDU Y., ŞÜMNÜ S. G.
FOOD AND BIOPROCESS TECHNOLOGY, vol.16, no.2, pp.327-341, 2023 (SCI-Expanded)
- XI. **Investigation of Thermal and Antimicrobial Properties of NiTiX (X = Ta, Ag, and Nb) Shape Memory Alloys**
AYDOĞDU Y., Abboosh O., SOYER P., Kilic G., Savur A., Dagdelen F., AYDOĞDU A., TUNALI Y.
PHYSICS OF METALS AND METALLOGRAPHY, vol.123, no.13, pp.1326-1334, 2022 (SCI-Expanded)
- XII. **Novel of (PLA/PCL blend)/Gd₂O₃ rare earth oxide nanocomposites: Shape memory effect, thermal, magnetic, and mechanical properties**
Özen Öner E., Pekdemir M. E., Ercan E., Say Y., Kök M., AYDOĞDU Y.
Polymer Composites, vol.43, pp.3096-3103, 2022 (SCI-Expanded)
- XIII. **Preparation and physicochemical properties of mwcnt doped polyvinyl chloride / poly (epsilon-caprolactone) blend**
Pekdemir M. E., Kok M., Qader I. N., AYDOĞDU Y.
JOURNAL OF POLYMER RESEARCH, vol.29, no.4, 2022 (SCI-Expanded)
- XIV. **Effects of Substituting Nb with Ta on Microstructure and Thermal Properties of Novel Biocompatible TiNiNbTa Shape Memory Alloys**
Dagdelen F., Balci E., Qader I. N., AYDOĞDU Y., Saydam S.
PHYSICS OF METALS AND METALLOGRAPHY, vol.122, no.14, pp.1572-1580, 2021 (SCI-Expanded)
- XV. **IN VITRO STUDY, CORROSION, and THERMAL OXIDATION BEHAVIOR of WIRE-SHAPED NITISN SHAPE MEMORY ALLOY**
Qader I. N., Kok M., Çırak Z. D., Pekdemir M. E., Saydam S., Aydoğdu Y.
Surface Review and Letters, vol.28, no.7, 2021 (SCI-Expanded)
- XVI. **Mechanical and Thermal Behavior of Cu_{84-x}Al₁₃Ni₃Hf_x Shape Memory Alloys**
Qader I. N., Oner E., KÖK M., Mohammed S. S., DAĞDELEN F., Kanca M. S., AYDOĞDU Y.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.45, no.1, pp.343-349, 2021 (SCI-Expanded)
- XVII. **Shape memory behavior of Ni(45)Mn(40)Co(5)Sb(10-x)B(x) magnetic shape memory alloys**
Aydoğdu Y., Turabi A. S., Boddeti B., Saghaian S. E., Aydoğdu A., Kilic G., Abboosh O., Karaca H. E.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.143, no.1, pp.127-137, 2021 (SCI-Expanded)

- XVIII. **Influence of Ta Additive into Cu_{84-x}Al₁₃Ni₃(wt%) Shape Memory Alloy Produced by Induction Melting**
Mohammed S. S., KÖK M., Qader I. N., Kanca M. S., ERCAN E., DAĞDELEN F., AYDOĞDU Y.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, no.4, pp.1167-1175, 2020 (SCI-Expanded)
- XIX. **The Influence of Time-Dependent Aging Process on the Thermodynamic Parameters and Microstructures of Quaternary Cu-79-Al-12-Ni-4-Nb-5 (wt%) Shape Memory Alloy**
Qader I. N., ERCAN E., Faraj B. A. M., KÖK M., DAĞDELEN F., AYDOĞDU Y.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, no.3, pp.903-910, 2020 (SCI-Expanded)
- XX. **Shape memory effect of polymeric composite materials filled with NiMnSbB shape memory alloy for textile materials**
Topel-Zeren E., AKŞİT A., AYDOĞDU Y.
MATERIALS RESEARCH EXPRESS, vol.7, no.5, 2020 (SCI-Expanded)
- XXI. **Thermal stability and some thermodynamics analysis of heat treated quaternary CuAlNiTa shape memory alloy**
KÖK M., Qader I. N., Mohammed S. S., Oner E., DAĞDELEN F., AYDOĞDU Y.
MATERIALS RESEARCH EXPRESS, vol.7, no.1, 2020 (SCI-Expanded)
- XXII. **Enhancing oxidative stability of walnuts by using gallic acid loaded lentil flour based electrospun nanofibers as active packaging material**
Aydogdu A., YILDIZ E., AYDOĞDU Y., ŞÜMNÜ S. G., ŞAHİN S., AYHAN Z.
FOOD HYDROCOLLOIDS, vol.95, pp.245-255, 2019 (SCI-Expanded)
- XXIII. **Magnetic field induced martensitic transition in Fe doped Ni-Mn-Sn-B shape memory ribbons**
Kirat G., Aksan M. A., AYDOĞDU Y.
INTERMETALLICS, vol.111, 2019 (SCI-Expanded)
- XXIV. **Transformation behavior in NiTi-20Ta and NiTi-20Nb SMAs**
DAĞDELEN F., AYDOĞDU Y.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.136, no.2, pp.637-642, 2019 (SCI-Expanded)
- XXV. **Nanostructured poly(lactic acid)/soy protein/HPMC films by electrospinning for potential applications in food industry**
Aydogdu A., Yıldız E., Ayhan Z., Aydoğdu Y., Şümnü S. G., Şahin S.
EUROPEAN POLYMER JOURNAL, vol.112, pp.477-486, 2019 (SCI-Expanded)
- XXVI. **Examination of phase changes in the CuAl high-temperature shape memory alloy with the addition of a third element**
KÖK M., Ata S., Yakinci Z. D., AYDOĞDU Y.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.133, no.2, pp.845-850, 2018 (SCI-Expanded)
- XXVII. **Utilization of lentil flour as a biopolymer source for the development of edible films**
Aydogdu A., KIRTIL E., ŞÜMNÜ S. G., ÖZTOP H. M., AYDOĞDU Y.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.135, no.23, 2018 (SCI-Expanded)
- XXVIII. **THE EFFECT OF CHROMIUM ADDITION ON PHYSICAL PROPERTIES OF Cu-Al BASED HIGH TEMPERATURE SHAPE MEMORY ALLOY**
ÇIRAK Z. D., Kok M., AYDOĞDU Y.
ARCHIVES OF METALLURGY AND MATERIALS, vol.63, no.4, pp.1595-1598, 2018 (SCI-Expanded)
- XXIX. **The effects of boron addition on the magnetic and mechanical properties of NiMnSn shape memory alloys**
Aydogdu Y., Turabi A. S., Aydogdu A., Kok M., Yakinci Z. D., Karaca H. E.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.126, no.2, pp.399-406, 2016 (SCI-Expanded)
- XXX. **The effect of Sn content on mechanical, magnetization and shape memory behavior in NiMnSn alloys**
Aydogdu Y., Turabi A. S., Kok M., Aydogdu A., Yakinci Z. D., Aksan M. A., Yakinci M. E., Karaca H. E.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.683, pp.339-345, 2016 (SCI-Expanded)
- XXXI. **The effects of substituting B for Cu on the magnetic and shape memory properties of CuAlMnB**

alloys

Aydogdu Y., Turabi A. S., Aydogdu A., Vance E. D., Kok M., Kirat G., Karaca H. E.

APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.122, no.7, 2016 (SCI-Expanded)

- XXXII. **Synthesis, characterization and solid-state properties of [Zn(Hdmmthiol)(2)]center dot 2H(2)O complex**
DAĞDELEN F., AYDOĞDU Y., Dey K., Biswas S.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.5, 2016 (SCI-Expanded)
- XXXIII. **Shape memory effect and superelasticity of NiMnCoIn metamagnetic shape memory alloys under high magnetic field**
Turabi A. S., Karaca H. E., Tobe H., Basaran B., AYDOĞDU Y., Chumlyakov Y. I.
SCRIPTA MATERIALIA, vol.111, pp.110-113, 2016 (SCI-Expanded)
- XXXIV. **Thermoelectric and mechanical properties of Mg-Al-Sb alloys**
Altin E., Oz E., Erdem M., Demirel S., AYDOĞDU Y., Altin S.
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, vol.26, no.2, pp.1023-1032, 2015 (SCI-Expanded)
- XXXV. **Effects of the substitution of gallium with boron on the physical and mechanical properties of Ni-Mn-Ga shape memory alloys**
AYDOĞDU Y., Turabi A. S., KÖK M., AYDOĞDU A., Tobe H., Karaca H. E.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.117, no.4, pp.2073-2078, 2014 (SCI-Expanded)
- XXXVI. **Thermal Properties, Microstructure and Microhardness of Cu-Al-Co Shape Memory Alloy System**
AYDOĞDU Y., Kurum F., KÖK M., Yakinci Z. D., AYDOĞDU A.
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.67, no.4, pp.595-600, 2014 (SCI-Expanded)
- XXXVII. **Thermal and magnetic properties of Ni₅₁Mn_{28.5}Ga_{19.5}B magnetic-shape-memory alloy**
Kok M., Yakinci Z. D., Aydogdu A., Aydogdu Y.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.115, no.1, pp.555-559, 2014 (SCI-Expanded)
- XXXVIII. **Effect of composition on the thermal behavior of NiMnGa alloys**
KÖK M., AYDOĞDU Y.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.113, no.2, pp.859-863, 2013 (SCI-Expanded)
- XXXIX. **Electron Concentration Dependence of Phase Transition and Magnetic Properties in NiMnGa Alloys**
KÖK M., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1691-1696, 2013 (SCI-Expanded)
- XL. **A Comparative Study on Thermal and Microstructural Properties of Different Types of NiMnGa Magnetic Shape Memory Alloys**
KÖK M., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.26, no.5, pp.1697-1701, 2013 (SCI-Expanded)
- XLI. **Isothermal oxidation study on NiMnGa ferromagnetic shape memory alloy at 600-1000 degrees C**
KÖK M., Pirge G., AYDOĞDU Y.
APPLIED SURFACE SCIENCE, vol.268, pp.136-140, 2013 (SCI-Expanded)
- XLII. **Effect of heat treatment on the physical properties of Ni-Mn-Ga alloy**
KÖK M., AYDOĞDU Y.
THERMOCHIMICA ACTA, vol.548, pp.51-55, 2012 (SCI-Expanded)
- XLIII. **Synthesis, characterization, and thermal degradation of novel poly(2-(5-bromo benzofuran-2-yl)-2-oxoethyl methacrylate)**
Koca M., Kurt A., Kirilmis C., AYDOĞDU Y.
POLYMER ENGINEERING AND SCIENCE, vol.52, no.2, pp.323-330, 2012 (SCI-Expanded)
- XLIV. **Structural, electrical and optical properties of metal complexes of NNS donor ligand**
Biswas S., Dagdelen F., AYDOĞDU Y., Dey K.
MATERIALS CHEMISTRY AND PHYSICS, vol.129, no.3, pp.1121-1125, 2011 (SCI-Expanded)
- XLV. **Effects of In-situ and Ex-situ Heat-Treatment Procedures on the Transport Properties of the MgB₂ Superconducting Thin Films Fabricated by Ultrasonic Spray Pyrolysis (USP) System**
YAKINCI M. C., AYDOĞDU Y., AKSAN M. A., BALCI Y., ALTIN S.

- JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.241-245, 2011 (SCI-Expanded)
- XLVI. **Synthesis and Characterization of MgB₂ Thin Films Prepared by 2.4 Mhz Ultrasonic Spray Pyrolysis System**
Yakinci Z. D., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.529-534, 2011 (SCI-Expanded)
- XLVII. **The Investigation of Thermal and Magnetic Properties and Microstructure Analysis of Cu-Al-Mn Shape Memory Alloys**
Canbay C. A., Aydogdu A., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.871-877, 2011 (SCI-Expanded)
- XLVIII. **Nano-sized Spherical MgB₂ Superconducting Powder Fabrication Using MHz Range Ultrasonic Spray Pyrolysis (USP) System**
YAKINCI M. C., AKSAN M. A., BALCI Y., ALTIN S., ÖNAL Y., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.235-239, 2011 (SCI-Expanded)
- XLIX. **The Magnetic Behavior and Physical Characterization of Cu-Mn-Al Ferromagnetic Shape Memory Alloy**
Sasmaz M., Bayri A., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.757-762, 2011 (SCI-Expanded)
- L. **Thickness Dependence of Critical Current Density in MgB₂ Films Prepared by Thermal Evaporation Method**
Yakinci Z. D., AYDOĞDU Y.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.24, pp.523-527, 2011 (SCI-Expanded)
- LI. **Epoxy- and Polyester-Based Composites Reinforced With Glass, Carbon and Aramid Fabrics: Measurement of Heat Capacity and Thermal Conductivity of Composites by Differential Scanning Calorimetry**
Cecen V., Tavman I. H., Kok M., AYDOĞDU Y.
POLYMER COMPOSITES, vol.30, no.9, pp.1299-1311, 2009 (SCI-Expanded)
- LII. **An attempt towards coordination supramolecularity from Mn(II), Ni(II) and Cd(II) with a new hexadentate [N₄O₂] symmetrical Schiff base ligand: Syntheses, crystal structures, electrical conductivity and optical properties**
Sarkar S., Biswas S., Liao M., Kar T., AYDOĞDU Y., Dagdelen F., Mostafa G., Chattopadhyay A. P., Yap G. P. A., Xie R., et al.
POLYHEDRON, vol.27, no.16, pp.3359-3370, 2008 (SCI-Expanded)
- LIII. **Stokes shift and band gap bowing in In_xGa_{1-x}N (0.060 ≤ x ≤ 0.105) grown by metalorganic vapour phase epitaxy**
Yildiz A., Dagdelen F., ACAR S., LİŞESİVDİN S. B., Kasap M., AYDOĞDU Y., Bosi M.
ACTA PHYSICA POLONICA A, vol.113, no.2, pp.731-739, 2008 (SCI-Expanded)
- LIV. **Synthesis Molecular Structure Optical Properties and Electrical Conductivity of Zwitterionic Ferrocenyldithiophosphonates**
KARAKUŞ M., AYDOĞDU Y., ÇELİK Ö., KUZUCU V., İDE S., HEY HAWKINS E.
Zeitschrift Fur Anorganische Und Allgemeine Chemie, vol.633, no.3, pp.405-410, 2007 (SCI-Expanded)
- LV. **X-ray diffraction studies, thermal, electrical and optical properties of oxovanadium(IV) complexes with quadridentate schiff bases**
Sarkar S., AYDOĞDU Y., Dagdelen F., Bhaumik B., Dey K.
MATERIALS CHEMISTRY AND PHYSICS, vol.88, pp.357-363, 2004 (SCI-Expanded)
- LVI. **Long-term ageing behaviour of martensite in shape memory Cu-Al-Ni alloys**
Aydogdu A., Aydogdu Y., Adiguzel O.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.153, pp.164-169, 2004 (SCI-Expanded)
- LVII. **Thermal and optical properties of benzofuran-2-yl 3-phenyl-3-methylcyclobutyl thiosemicarbazone**
KOCA A., Dagdelen F., AYDOĞDU Y.
MATERIALS LETTERS, vol.58, pp.2901-2905, 2004 (SCI-Expanded)
- LVIII. **DC and AC conductivity and dielectric properties of the metal-radical compound: Aqua[bis(2-**

dimethylaminomethyl-4-NIT-phenolato)]copper(II)

Yakuphanoglu F., AYDOĞDU Y., Schatzschneider U., Rentschler E.

SOLID STATE COMMUNICATIONS, vol.128, pp.63-67, 2003 (SCI-Expanded)

- LIX. **Electrical conductivity and optical properties of copolymers based on 4-vinylpyridine and tetralincyclobutylhydroxyethylmethacrylate**
Aydogdu Y., Erol I., Yakuphanoglu F., Aydogdu A., Ahmedzade M.
SYNTHETIC METALS, vol.139, no.2, pp.327-334, 2003 (SCI-Expanded)
- LX. **Solid state electrical conductivity properties of copper complexes of novel oxime compounds containing oxolane ring**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Tas E., Cukurovali A.
MATERIALS LETTERS, vol.57, pp.3755-3760, 2003 (SCI-Expanded)
- LXI. **Electrical conductivity, dielectric permittivity and thermal properties of the compound aqua[bis(2-dimethylaminomethyl-4-NIT-phenolato)] copper(II) including NaCl impurity**
Yakuphanoglu F., AYDOĞDU Y., Schatzschneider U., Rentschler E.
PHYSICA B-CONDENSED MATTER, vol.334, pp.443-450, 2003 (SCI-Expanded)
- LXII. **Electrical and optical properties of semiconducting metal complexes**
Yakuphanoglu F., Dagdelen F., Aydogdu Y., Aydogdu A., Sekerci M.
MATERIALS LETTERS, vol.57, pp.3330-3340, 2003 (SCI-Expanded)
- LXIII. **The synthesis, characterization, and electrical conductivity of the potassium salt of 1,3-dipiperidin-1-ylpropan-2-O-xanthate**
Yakuphanoglu F., Gorgulu A., Aydogdu Y., Aydogdu A., Arslan M.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, no.5, pp.911-923, 2003 (SCI-Expanded)
- LXIV. **The electronic transport properties [Co-2(L)L '(dioxane)(2)(NO3)(2)](NO3)(2) of the complex**
Yakuphanoglu F., AYDOĞDU Y., Gomeksiz M., Sekerci M., Agan S., Alkan C.
MATERIALS LETTERS, vol.57, no.15, pp.2219-2224, 2003 (SCI-Expanded)
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