

Prof. YILDIRIM AYDOĞDU

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Research Areas

Natural Sciences, Engineering and Technology

Academic Titles / Tasks

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

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

Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 2005 - 2011

Associate Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 2000 - 2005

Assistant Professor, Firat University, Fen Fakültesi, Fizik Bölümü, 1994 - 2000

Lecturer, Firat University, 1989 - 1994

Lecturer, Van Yüzüncü Yil University, 1988 - 1989

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

Academic and Administrative Experience

Gazi University, Fen Fakültesi, Fizik Bölümü, 2020 - Continues

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

Director of the 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

Advising Theses

AYDOĞDU Y., NiMn ESASLI ŞEKİL HAFIZALI ALAŞIMLARIN TERMAL VE ANTİMİKROBİYAL ÖZELLİKLERİNİN ARAŞTIRILMASI, Doctorate, O.KAREEM(Student), 2020

AYDOĞDU Y., Ni-Mn-Sn şekil hafızalı alaşımların termal ve elektriksel özelliklerinin incelenmesi, Postgraduate, S.DAĞ(Student), 2019

AYDOĞDU Y., Metal Oxide Uv Detector Array Fabrication And Characterization, Postgraduate, G.MEHMETOĞLU(Student), 2019

AYDOĞDU Y., Şekil hatırlamalı Cu-Al-Co alaşımlarının üretimi ve fiziksel özelliklerinin incelenmesi, Postgraduate, F.KÜRÜM(Student), 2013

AYDOĞDU Y., NiMnGa alaşımının fiziksel özelliklerine termal yaşlandırmanın etkisi ve x ışını mikrotomografi analizi, Postgraduate, C.YALÇIN(Student), 2012

AYDOĞDU Y., Ni-Mn-Ga ferromanyetik şekil hatırlamalı alaşımının fiziksel özellikleri üzerine alaşım oranı ve ısı işlem etkisinin incelenmesi, Doctorate, M.KÖK(Student), 2011

AYDOĞDU Y., Ultrasonik spreyleme ve termal buharlaştırma yöntemleri kullanılarak MgB₂ süperiletken ince filmlerin üretilmesi ve karakterizasyonu, Doctorate, Z.DENİZ(Student), 2010

AYDOĞDU Y., CuAlMn ferromanyetik şekil hafızalı alaşım üretimi, termal ve manyetik özelliklerinin incelenmesi, Postgraduate, M.ŞAŞMAZ(Student), 2010

AYDOĞDU Y., DSC ile termal iletkenlik ölçümü ve uygulamaları, Postgraduate, M.KÖK(Student), 2006

AYDOĞDU Y., Geçiş metal komplekslerinin elektrik ve elektronik özelliklerinin incelenmesi, Doctorate, F.YAKUPHANOĞLU(Student), 2002

AYDOĞDU Y., Bazı polimerlerin elektriksel iletkenlik özelliklerinin incelenmesi, Postgraduate, D.ÖZMEN(Student), 1999

AYDOĞDU Y., Bazı amin-metal komplekslerinin elektriksel özelliklerinin incelenmesi, Postgraduate, F.YAKUPHANOĞLU(Student), 1998

Research Infrastructure Information

Aydoğdu Y., Aydoğdu A., İleri Teknolojik Malzemeler Araştırma Laboratuvarı, January 2013

Aydoğdu Y., Aydoğdu A., Yarıiletken Malzemeler Araştırma Laboratuvarı, January 2000

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **In Vitro Study, Corrosion and Thermal Oxidation Behavior of Wire-Shaped NiTiSn Shape Memory Alloy**
Qader İ. N. , Kök M., Çırak Z. D. , Pekdemir M. E. , Saydam S., Aydoğdu Y.
Surface Review And Letters, vol.0, no.0, 2021 (Journal Indexed in SCI)
- II. **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 (Journal Indexed in SCI)
- III. **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., Saghayan 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 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **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 (Journal Indexed in SCI)
- IX. **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 (Journal Indexed in SCI)
- X. **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 (Journal Indexed in SCI)
- XI. **Nanostructured poly(lactic acid)/soy protein/HPMC films by electrospinning for potential applications in food industry**
Aydogdu A., YILDIZ E., AYHAN Z., AYDOĞDU Y., ŞÜMNÜ S. G. , ŞAHİN S.
EUROPEAN POLYMER JOURNAL, vol.112, pp.477-486, 2019 (Journal Indexed in SCI)
- XII. **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 (Journal Indexed in SCI)
- XIII. **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 (Journal Indexed in SCI)
- XIV. **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 (Journal Indexed in SCI)
- XV. **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 (Journal Indexed in SCI)
- XVI. **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 (Journal Indexed in SCI)
- XVII. **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 (Journal Indexed in SCI)
- XVIII. **Synthesis, characterization and solid-state properties of [Zn(Hdmmthio)(2)]center dot 2H(2)O complex**
DAĞDELEN F., AYDOĞDU Y., Dey K., Biswas S.
EUROPEAN PHYSICAL JOURNAL PLUS, vol.131, no.5, 2016 (Journal Indexed in SCI)
- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **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 (Journal Indexed in SCI)

- XXII. **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 (Journal Indexed in SCI)
- XXIII. **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 (Journal Indexed in SCI)
- XXIV. **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 (Journal Indexed in SCI)
- XXV. **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 (Journal Indexed in SCI)
- XXVI. **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 (Journal Indexed in SCI)
- XXVII. **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 (Journal Indexed in SCI)
- XXVIII. **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 (Journal Indexed in SCI)
- XXIX. **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 (Journal Indexed in SCI)
- XXX. **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 (Journal Indexed in SCI)
- XXXI. **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 (Journal Indexed in SCI)
- XXXII. **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 (Journal Indexed in SCI)
- XXXIII. **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 (Journal Indexed in SCI)
- XXXIV. **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 (Journal Indexed in SCI)

- XXXV. **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 (Journal Indexed in SCI)
- XXXVI. **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 (Journal Indexed in SCI)
- XXXVII. **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 (Journal Indexed in SCI)
- XXXVIII. **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 (Journal Indexed in SCI)
- XXXIX. **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., LIŞESİVDİN S. B. , Kasap M., AYDOĞDU Y., Bosi M.
ACTA PHYSICA POLONICA A, vol.113, no.2, pp.731-739, 2008 (Journal Indexed in SCI)
- XL. **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 (Journal Indexed in SCI)
- XLI. **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 (Journal Indexed in SCI)
- XLII. **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 (Journal Indexed in SCI)
- XLIII. **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 (Journal Indexed in SCI)
- XLIV. **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 (Journal Indexed in SCI)
- XLV. **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 (Journal Indexed in SCI)
- XLVI. **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 (Journal Indexed in SCI)
- XLVII. **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 (Journal Indexed in SCI)
- XLVIII. **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 (Journal Indexed in SCI)
- XLIX. **The electronic transport properties [Co-2(L)L '(dioxane)(2)(NO3)(2)](NO3)(2) of the complex**
Yakuphanoglu F., AYDOĞDU Y., Gomleksiz M., Sekerci M., Agan S., Alkan C.
MATERIALS LETTERS, vol.57, no.15, pp.2219-2224, 2003 (Journal Indexed in SCI)
- L. **Effects of thermal treatments on transformation behaviour in shape memory Cu-Al-Ni alloys**
Dagdelen F., Gokhan T., Aydogdu A., Aydogdu Y., Adiguzel O.
MATERIALS LETTERS, vol.57, pp.1079-1085, 2003 (Journal Indexed in SCI)
- LI. **Electrical charge transport and optical properties of a poly(methacrylate) with a new side chain and its Ni(II) complex**
Yakuphanoglu F., Sarman S., AYDOĞDU Y., Ilter Z., Coskun M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.87, no.5, pp.741-746, 2003 (Journal Indexed in SCI)
- LII. **X-ray diffraction study and electrical properties of the metal complex Fe(II) including sodium oxalate ligand (Na₂C₂O₄)**
AYDOĞDU Y., Yakuphanoglu F., Dagdelen F., Sekerci M., Aksoy I.
MATERIALS LETTERS, vol.57, no.1, pp.237-241, 2002 (Journal Indexed in SCI)
- LIII. **Synthesis, characterization, and electrical properties of metal complexes of 2-pyridinecarbaldehyde thiosemicarbazone**
Yakuphanoglu F., Balaban A., Dagdelen F., AYDOĞDU Y., Sekerci M., Erk B.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.32, no.10, pp.1865-1878, 2002 (Journal Indexed in SCI)
- LIV. **Electrical and optical properties of [poly[2-(3-1,2,3,4-tetrahydronaphtyl-3-methylcyclobutyl)-2-hydroxyethylmethacrylate]**
Yakuphanoglu F., Erol I., AYDOĞDU Y., Ahmedzade M.
MATERIALS LETTERS, vol.57, no.1, pp.229-236, 2002 (Journal Indexed in SCI)
- LV. **Electrical and optical properties of newly synthesized glyoxime complexes**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Tas E., Cukurovali A.
SOLID STATE SCIENCES, vol.4, no.6, pp.879-883, 2002 (Journal Indexed in SCI)
- LVI. **XRD, SEM studies and electrical properties of metal complexes, including sodium oxalate ligand (Na₂C₂O₄)**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Sekerci M., Alkan C., Aksoy I.
MATERIALS LETTERS, vol.54, pp.352-358, 2002 (Journal Indexed in SCI)
- LVII. **Self-accommodating martensite plate variants in shape memory CuAlNi alloys**
Aydogdu Y., Aydogdu A., Adiguzel O.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.123, no.3, pp.498-500, 2002 (Journal Indexed in SCI)
- LVIII. **Metal complexes of (LH₂) ligand: 8,9-bis(hydroxyimino)-4,7,10,13-tetraaza-1,2,15,16-O-dicyclopentylidenehexadecane. Crystal structure, electrical and optical properties**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Saydam S., Sekerci M., Boydag F.
SYNTHETIC METALS, vol.122, no.2, pp.329-335, 2001 (Journal Indexed in SCI)
- LIX. **Electrical and optical properties of inorganic complexes C₃₆H₇₆N₂O₉ClNa and C₁₄H₁₂N₂O₄TeBr₂**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Temel H., Sekerci M., Hosgoren H.
SOLID STATE SCIENCES, vol.3, no.3, pp.377-382, 2001 (Journal Indexed in SCI)
- LX. **X-ray diffraction studies, electrical and optical properties of some metal complexes of the ligand including 1-amino-3-(N-benzylamino) propane**
Aydogdu Y., Yakuphanoglu F., Aydogdu A., Sekerci M., Balci Y., Aksoy I.
SYNTHETIC METALS, vol.107, no.3, pp.191-196, 1999 (Journal Indexed in SCI)
- LXI. **In-situ single chamber arc sputtering process for YCd_{0.3}Ba₂Cu₃O_{7-δ} superconducting thin films**

Yakinci M., Balci Y., Aksan M., AYDOĞDU Y., Ates H.

JOURNAL OF LOW TEMPERATURE PHYSICS, vol.117, pp.645-649, 1999 (Journal Indexed in SCI)

LXII. Improvement of hardness and microstructures by ageing in shape memory CuAlNi alloys

Aydogdu A., Aydogdu Y., Adiguzel O.

JOURNAL DE PHYSIQUE IV, vol.7, pp.311-316, 1997 (Journal Indexed in SCI)

LXIII. The influence of ageing on martensite ordering and stabilization in shape memory Cu-Al-Ni alloys

Aydogdu A., Aydogdu Y., Adiguzel O.

MATERIALS RESEARCH BULLETIN, vol.32, no.5, pp.507-513, 1997 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Gallic acid encapsulated pea flour-based nanofibers produced by electrospinning as a potential active food packaging material**
Aydoğdu A., Yıldız E., Aydoğdu Y., Sumnu G., Şahin S.
Legume Science, vol.0, no.0, pp.1-10, 2021 (Refereed Journals of Other Institutions)
- II. **Akıllı Malzemeler üzerine derleme: araştırmalar ve uygulamaları**
Qader İ. N. , KÖK M., DAĞDELEN F., AYDOĞDU Y.
El-Cezerî Journal of Science and Engineering, vol.6, no.3, pp.755-788, 2019 (Refereed Journals of Other Institutions)
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