

Prof. FİLİZ ERCAN

Personal Information

Web: <https://avesis.hacettepe.edu.tr/filiz>

Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1987 - 1994
Post Graduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1983 - 1987
Under Graduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1978 - 1983

Certificates, Courses and Trainings

Quality Management, Kalite Kurulu Kurumsal Dış Değerlendirme Programı, YÖK, 2016
Occupational Health and Safety, İş Sağlığı ve Güvenliği, Ankara ASO 1. Organize Sanayi Bölgesi, 2012

Research Areas

Nanomaterials, Physics, Materials Science, Condensed Matter 1: Structural, Mechanical and Thermal Properties, Structure of Liquids and Solids; Crystallography, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2006 - Continues
Associate Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2000 - 2006
Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1997 - 2000

Professional Experience

MYK Eğitim Sektör Komite Başkanı, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2016 - 2019
YÖK Kurum Danışmanı, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2012 - 2019
Director of Vocational School, Hacettepe Üniversitesi, Hacettepe Aso 1. Osb Myo, Kurucu Müdürü, 2012 - 2015
Member of the Senate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği, 2012 - 2015
Head of Department, Hacettepe Üniversitesi, Nükleer Bilimler Enstitüsü, Nükleer Bilimler Anabilim Dalı Başkanı, 2012 - 2015
Academic Board Member, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fakülte Kurulu Doçent Temsilcisi,, Fizik Mühendisliği, 2003 - 2005

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

- Heat treatment effects on the structural and electrical properties of thermally deposited AgIn5S8 thin films**
Qasrawi A. F. , Kayed T. S. , ERCAN F.

SOLID STATE COMMUNICATIONS, vol.151, pp.615-618, 2011 (Journal Indexed in SCI)

- II. **Preparation of thin film alloys with electrodeposition from heterotrinary M-1-M-2-M-1 complexes (M-1: Ni-II, Cu-II; M-2: Cu-II, Co-II, Zn-II, Cd-II)**
Duzgun E., Ergun U., ERCAN F., Sert M., Aksu M. L. , Atakol O.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.7, pp.365-371, 2010 (Journal Indexed in SCI)
- III. **Thermal decomposition of new mononuclear Ni(II) complexes with ONNO type reduced Schiff bases and Pseudo halogens**
Ateş B. M. , Zeybek B., Aksu M., Ergun Ü., ERCAN F., Aksu M. L. , Atakol O.
Zeitschrift fur Anorganische und Allgemeine Chemie, vol.636, pp.840-845, 2010 (Journal Indexed in SCI)
- IV. **The effect of ligand basicity on the thermal stability of heterodinuclear Ni(II)-Zn(II) complexes**
Zeybek B., Ateş B. M. , ERCAN F., Aksu M. L. , Kılıç E., Atakol O.
Journal of Thermal Analysis and Calorimetry, vol.98, pp.377-385, 2009 (Journal Indexed in SCI)
- V. **Crystal structure of a new homo trinuclear Ni(II) complex with μ -cyanoacetato bridge**
Meltem Ateş B., ERCAN F., Levent Aksu M., Atakol O.
Zeitschrift fur Kristallographie, vol.223, pp.530-535, 2008 (Journal Indexed in SCI)
- VI. **Structural characterization of Langmuir-Blodgett films of 4,5-bis(dodecyloxy)phthalic acid**
Topaçlı C., Topach A., Civan M., ERCAN F., Durmuş M., Ahsen V.
THIN SOLID FILMS, vol.516, pp.8299-8306, 2008 (Journal Indexed in SCI)
- VII. **Dichlorido- κ Cl, κ Cl-bis- $\{\mu$ -2,2'-[propane-1, 3-diylbis(iminomethylene)]di-phenolato}-1:2 κ 6 O,N,N',O':O,O';2:3 κ 6 O,O':O,N,N', O'-tricopper(II)**
Ateş B. M. , ERCAN F., Svoboda I., Fuess H., Atakol O.
Acta Crystallographica Section E: Structure Reports Online, vol.64, 2008 (Journal Indexed in SCI)
- VIII. **Structure and thermal decomposition of μ -1,1-azido bridged dinuclear Fe(III) complexes**
ERCAN F., Ateş B. M. , Aksu L., Sözeri H., Ercan I., Atakol O.
Zeitschrift fur Kristallographie, vol.222, pp.498-503, 2007 (Journal Indexed in SCI)
- IX. **Crystal and molecular structure of a new trinuclear copper(II) complex: $\text{Cu}_3\text{L}_2(\text{NCS})_2 \cdot 2.5(\text{C}_4\text{H}_8\text{O}_2)$, L = bis-N,N'(salicylidene)1,3-propanediamine dianion**
ERCAN F., Atakol O.
Zeitschrift fur Kristallographie, vol.221, pp.735-739, 2006 (Journal Indexed in SCI)
- X. **Magnetic properties of trinuclear Ni-M-Ni complexes, M = Mn, Co and Ni**
Atakol O., Boca R., Ercan I., Ercan F., Fuess H., Haase W., Herchel R.
CHEMICAL PHYSICS LETTERS, vol.423, pp.192-196, 2006 (Journal Indexed in SCI)
- XI. **Synthesis, crystal structure and magnetic behaviour of a mononuclear Fe(III) - Schiff base metal complex**
Nazir H., Akben N. S. , Ateş M. B. , Sözeri H., Ercan I., Atakol O., ERCAN F.
Zeitschrift fur Kristallographie, vol.221, pp.276-280, 2006 (Journal Indexed in SCI)
- XII. **Synthesis and crystal structure of a homotrinary Ni(II) complex**
Durmuş S., Ateş B. M. , Atakol O., ERCAN F.
Zeitschrift fur Kristallographie, vol.220, pp.973-976, 2005 (Journal Indexed in SCI)
- XIII. **A new Ni-Zn heterodinuclear complex: $[\mu$ -2-bis(salicylidene)propane-1,3-diaminato]-dichlorobis(N,N-dimethylformamide)nickel(II)-zinc(II)**
ERCAN F.
Acta Crystallographica Section E: Structure Reports Online, vol.61, 2005 (Journal Indexed in SCI)
- XIV. **Synthesis and crystal structure of two dimeric cadmium(II) complexes bonded with pseudohalides, 1.1 and 1.3 bonding**
ERCAN F., Arici C., Ülkü D., Kurtaran R., Aksu M., Atakol O.
Zeitschrift fur Kristallographie, vol.219, pp.295-299, 2004 (Journal Indexed in SCI)
- XV. **Structural analysis of bis{(N,N'-dimethylformamide) (μ formato)[μ ,-bis(salicylidene)-1,3-propanediaminato] nickel(II)} copper(II) and zinc(II) monohydrate hetero-trinuclear complexes**
ERCAN F., Ateş M., Ercan Y., Durmuş S., Atakol O.
Crystal Research and Technology, vol.39, pp.470-476, 2004 (Journal Indexed in SCI)

- XVI. **Synthesis and crystal structure of linear chain homotetranuclear complexes with N-3(-)**
Kurtaran R., Emregul K., Arici C., Ercan F., Catalano V., Atakol O.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, pp.281-296, 2003
(Journal Indexed in SCI)
- XVII. **Synthesis, structural and spectral studies of N-p-methylbenzyliden-N-phenyl-p,p'-dimethoxybenzoyl acetic acid hydrazide**
Ulku D., Arici C., Ercan F., Sacmaci M., Saripinar E., Akcamur Y.
ZEITSCHRIFT FUR KRISTALLOGRAPHIE, vol.218, pp.377-380, 2003 (Journal Indexed in SCI)
- XVIII. **Bis{[μ -N, N'-bis(salicylidene)-1,4-butanediamine-N, N', O, O'-copper(II)]- μ -chloro-chloromercury(II)}**
Ercan I., Ercan F., Arici C., Atakol O.
Acta Crystallographica Section C: Crystal Structure Communications, vol.58, 2002 (Journal Indexed in SCI)
- XIX. **Crystal structure of [N,N'-bis(3,5-dinitrosalicylidene)-1,3-propanediaminato]-bis(3,4-dimethylpyridine)]nickel(II)dioxane solvate**
Arici C., ERCAN F., Atakol O., Basgut Ö.
Analytical Sciences, vol.18, pp.375-376, 2002 (Journal Indexed in SCI)
- XX. **Three heterotrinnuclear Schiff base complexes of nickel(II) with cobalt(II), copper(II) and manganese(II)**
Ercan F., Atakol O., Arici C., Svoboda I., Fuess H.
Acta Crystallographica Section C: Crystal Structure Communications, vol.58, 2002 (Journal Indexed in SCI)
- XXI. **[N,N'-Bis(salicylidene)-2,2-dimethyl-1,3-propanediaminato]nickel(II) and [N,N'-bis(salicylidene)-2,2-dimethyl-1,3-propanediaminato]copper(II)**
Arici C., Ercan F., Kurtaran R., Atakol O.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.57, pp.812-814, 2001
(Journal Indexed in SCI)
- XXII. **Some di- and trinuclear zinc complexes: Anion induced complex formation**
Atakol O., Nazir H., Aksu M., Arici C., Ercan F., Cicek B.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.30, pp.709-718, 2000
(Journal Indexed in SCI)
- XXIII. **{[μ -Bis(salicylidene)-1,3-propanediaminato]-bis(4-methylpyridine) nickel(II)}dichlorozinc(II)**
Atakol O., ERCAN F., Arici C., Fuess H., Svoboda I.
Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.2023-2026, 1999 (Journal Indexed in SCI)
- XXIV. **Aqua[N,N'-bis(salicylidene)-1,3-propanediaminato]copper(II)**
Arici C., ERCAN F., Atakol O., Cakirer O.
Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.1654-1655, 1999 (Journal Indexed in SCI)
- XXV. **Crystal structure of 1-ethyl-3-methylbenzimidazole-2-thione**
Ingeg S., Soylyu H., Kucukbay H., Ercan F., Akkurt M.
ANALYTICAL SCIENCES, vol.15, pp.927-928, 1999 (Journal Indexed in SCI)
- XXVI. **A linear trinuclear CdII-CdII-CdII complex with a μ -acetato bridge: Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato]-cadmium(II)} cadmium(II)**
Atakol O., Aksu M., ERCAN F., Arici C., Tahir M. N., Ülkü D.
Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.1072-1075, 1999 (Journal Indexed in SCI)
- XXVII. **{[μ -Bis(salicylidene)-1,3-propanediaminato]copper(II)}diiodozinc(II) †**
ERCAN F., Arici C., Ülkü D., Atakol O., Aksu M.
Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.930-932, 1999 (Journal Indexed in SCI)
- XXVIII. **{[μ -Bis(salicylidene)-1,3-propanediaminato](3-methylpyridine)copper(I I)} -diiodozinc(II)**
ERCAN F., Arici C., Akay A., Atakol O., Ülkü D.

- Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.925-928, 1999 (Journal Indexed in SCI)
- XXIX. **{[μ -Bis(salicylidene)-1,3-propanediaminato]bis(3,5-dimethylpyridine)-nickel(II)}diiodozinc(II)**
Arici C., ERCAN F., Atakol O., Akay A., Ülkü D.
Acta Crystallographica Section C: Crystal Structure Communications, vol.55, pp.928-930, 1999 (Journal Indexed in SCI)
- XXX. **Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato]copper(II)}copper(II) dioxane solvate**
Atakol O., Arici C., Ercan F., Ulku D.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.55, pp.511-513, 1999 (Journal Indexed in SCI)
- XXXI. **Crystal structure of 1,3-dimethylbenzimidazole-2-selenone, C₉H₁₀N₂Se**
Aydin A., Soylu H., Kucukbay H., Akkurt M., Ercan F.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.214, pp.295-296, 1999 (Journal Indexed in SCI)
- XXXII. **Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato]copper(II)}cadmium(II) dioxane solvate**
Ercan F., Ulku D., Atakol O., Dincer F.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.54, pp.1787-1790, 1998 (Journal Indexed in SCI)
- XXXIII. **A linear trinuclear NiII-MnII-NiII complex with a μ -acetato bridge: Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato](N,N-dimethylformamide)nickel(II)}manganese(II)**
ERCAN F., Atakol O.
Acta Crystallographica Section C: Crystal Structure Communications, vol.54, pp.1268-1270, 1998 (Journal Indexed in SCI)
- XXXIV. **N-(2-hydroxy-5-chlorophenyl)thiophenyl-acetamide**
Tarimci Ç., ERCAN F., Koçoglu M., Ören I.
Acta Crystallographica Section C: Crystal Structure Communications, vol.54, pp.488-489, 1998 (Journal Indexed in SCI)
- XXXV. **Preparation and X-ray structure of bis(1-methyl-3-ethylbenzimidazolium-2-yl)tetrafluoroborate**
Aydin A., Soylu H., Gunes B., Akkurt M., Ercan E., Kucukbay H., Cetinkaya E.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE, vol.213, pp.473-476, 1998 (Journal Indexed in SCI)
- XXXVI. **3,3-dichloro-4-(4-chlorophenyl)-1-phenyl-azetid-2-one**
Ulku D., Ercan F., Guner V.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.53, pp.1945-1947, 1997 (Journal Indexed in SCI)
- XXXVII. **Bis{(μ -acetato)[μ -bis(salicylidene)-1,3-propanediaminato](dimethyl sulfoxide)-nickel(II)}nickel(II)**
Ülkü D., ERCAN F., Atakol O., Dinçer F. N.
Acta Crystallographica Section C: Crystal Structure Communications, vol.53, pp.1056-1057, 1997 (Journal Indexed in SCI)
- XXXVIII. **Bis{2-[(2-hydroxybenzyl)iminomethyl]phenolato(2-)-O:O,N, O'}dicopper(II)**
Ulku D., Ercan F., Atakol O., Ercan I., Gencer A.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.53, pp.179-181, 1997 (Journal Indexed in SCI)
- XXXIX. **Crystal structure of {N,N'-di-(2-hydroxy-1-naphthylidene)-1-methyl-1,2-diaminoethane-N,N',O,O'}nickel(II), (C₂₅H₂₀N₂O₂)Ni(II)**
Ercan F., Sari M., Yagbasan R., Atakol O., Akay M.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.212, pp.183-184, 1997 (Journal Indexed in SCI)
- XL. **Crystal structure of tris-(N-salicylidene-benzylamino)cobalt(III), C₄₂H₃₆N₃O₃Co**
Sari M., Yagbasan R., Ercan R., Atakol O., Kenar A.

ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.212, pp.185-187, 1997 (Journal Indexed in SCI)

- XLII. **Crystal Structure of Bis[4-(5-methyl-2-oxyphenyl- κ O,2 κ O)-4-imino-2-penten-2-olato-O, O',N']copper(II)**
Atakol O., ERCAN F., Ülkü D., Yilmaz N.
Analytical Sciences, vol.13, pp.1051-1052, 1997 (Journal Indexed in SCI)
- XLIII. **Bis[N-(2,6-dimethylphenyl)amino-glyoximato-N,N']nickel(II)**
Ulku D., Ercan F., Macit M., Gulce A.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.52, pp.2680-2682, 1996 (Journal Indexed in SCI)
- XLIII. **(Diethylamine-N){4-methyl-2-[(2-oxido-benzylidene)amino]phenolato(2-)-O,N, O,'}-nickel(II)**
ERCAN F., Sari M., Yağbasan R., Taştekin M., Aksu L.
Acta Crystallographica Section C: Crystal Structure Communications, vol.52, pp.2682-2684, 1996 (Journal Indexed in SCI)
- XLIV. **{4-methyl-2-[(2-oxidobenzylidene)amino]-phenolato(2-)-N,O,O'}** (piperidine-N)-nickel(II)
Atakol O., Kenar A., ERCAN F., Sari M., Yağbasan R.
Acta Crystallographica Section C: Crystal Structure Communications, vol.52, pp.1881-1884, 1996 (Journal Indexed in SCI)
- XLV. **3,3-Dichloro-4-(p-methoxyphenyl)-1-phenyl-2-azetidinone**
ERCAN F., Ülkü D., Güner V.
Acta Crystallographica Section C: Crystal Structure Communications, vol.52, pp.1779-1780, 1996 (Journal Indexed in SCI)
- XLVI. **Bis[N-(4-chlorobenzylidene)-2-mercaptoanilinato]nickel(II)**
ERCAN F., Ülkü D., Ancin N., Oztas S. G., Tüzün M.
Acta Crystallographica Section C: Crystal Structure Communications, vol.52, pp.1141-1143, 1996 (Journal Indexed in SCI)
- XLVII. **Structural and spectral studies of N-trans-cinnamylidene-m-toluidine and N-trans-cinnamylidene-m-chloroaniline**
ERCAN F., OZTAS S. S., ANCM N., Hokelek T., TUZUN M., ULKU D.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.26, pp.243-247, 1996 (Journal Indexed in SCI)
- XLVIII. **Crystal structure of (beta-benzimidazolyl)proponoic acid, C₁₀H₁₀N₂O₂**
Ercan F., Ulku D., Pekmez K.
ZEITSCHRIFT FUR KRISTALLOGRAPHIE, vol.211, pp.733-734, 1996 (Journal Indexed in SCI)
- XLIX. **Crystal and molecular structure of 3,3-dichloro-1-(p-chlorophenyl)-4-phenyl-2-azetidinone, C₁₅H₁₀Cl₃N₂O**
Ercan F., Ulku D., Guner V.
ZEITSCHRIFT FUR KRISTALLOGRAPHIE, vol.211, pp.735-736, 1996 (Journal Indexed in SCI)
- L. **AMINOLYSIS OF P-TRICHLORO-N-DICHLOROPHOSPHORYL MONOPHOSPHAZENE AND THE CRYSTAL-STRUCTURE OF 1-(DICHLOROPHOSPHINYL)-2-CHLORO-2,2-BIS(DIISOPROPYLAMINO)PHOSPHAZINE**
KILIC Z., GUNDUZ N., YILDIZ M., KILIC A., MOR S., ERCAN F., HOKELEK T., ULKU D.
HETEROATOM CHEMISTRY, vol.5, pp.349-357, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **N N Bis 3 5 dinitrosalicylidene 1 3 propane diaminato bis 3 4 dimethylpyridine nickel II dioxane solvate**
ARICI C., ERCAN F., ATAKOL O., BAŞGUT Ö.
Analytical Sciences. March, vol.18, pp.375-376, 2002 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **X ray Crystallography at Hacettepe University Conference on Frontiers of Chemical Sciences II Research and Education in the Middle East Orta Doğu da Araştırma ve Eğitim**
ÜLKÜ D., ERCAN F., ARICI C., ATAKOL O.
Orta Doğu'da Araştırma ve Eğitim, Malta, 5 - 10 November 2005
- II. **The effects of excitation frequency on the structural electrical and optical properties of ZnO thin films World Year of Physics 2005**
KAVASOĞLU N., ERCAN F., GÜNGÖR T.
Turkish Physical Society 23rd International Physics Congress., Muğla, Turkey, 13 - 16 September 2005
- III. **Bir İki ve Üç Çekirdekli Schiff Bazlı Fe²⁺ ve Fe³⁺ Komplekslerinin Yapısal Özellikleri**
ATEŞ B. M. , SÖZERİ H., NAZIR H., ERCAN İ., ATAKOL O., ERCAN F.
Türk Fizik Derneği 22. Kongresi, BODRUM, Turkey, 14 - 17 September 2004
- IV. **Yeni Bir Dört Çekirdekli Bakır II Oksijen Taşıyıcı Kompleks**
KURTARAN R., DURMUŞ S., ERCAN İ., ERCAN F., ATAKOL O.
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 August 2004
- V. **METEK Projesi Meslek Yüksekokullarında Kalite Mevcut Durum Sorunlar ve Çözüm Önerileri METEK toplantısı YÖK Temsilcisi Çağrılı Konuşmacı ve Panelist Hacettepe Modeli Hitit Üniversitesi**
ERCAN F.
METEK toplantısı, YÖK Temsilcisi, Turkey, 6 - 07 March 2004
- VI. **Structural and spectral studies of N trans cinnamylidene m toluidine and N trans cinnamylidene m chloro aniline**
ERCAN F., ÖZTAŞ S. G. , ANCIN N., HÖKELEK T., TÜZÜN M., ÜLKÜ D.
35th IUPAC Congress, İstanbul, Turkey, 14 August 1995 - 19 August 1999

Citations

Total Citations (WOS):552

h-index (WOS):14