

Prof. FİLİZ ERCAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1987 - 1994

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1983 - 1987

Undergraduate, Hacettepe University, 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

Academic and Administrative Experience

YÖK Kurum Danışmanı, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2012 - 2019

Hacettepe Üniversitesi, Nükleer Bilimler Enstitüsü, Nükleer Bilimler Anabilim Dalı Başkanı, 2012 - 2015

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği, 2012 - 2015

Hacettepe Üniversitesi, Hacettepe ASO 1. OSB MYO, Kurucu Müdürü, 2012 - 2015

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fakülte Kurulu Doçent Temsilcisi, Fizik Mühendisliği, 2003 - 2005

Published journal articles indexed by SCI, SSCI, and AHCI

1. Heat treatment effects on the structural and electrical properties of thermally deposited AgIn₅S₈

- ERCAN F., Ateş M., Ercan Ý., Durmuş S., Atakol O.
Crystal Research and Technology, vol.39, no.5, pp.470-476, 2004 (SCI-Expanded)
- 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, no.2, pp.281-296, 2003 (SCI-Expanded)
- 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, no.5, pp.377-380, 2003 (SCI-Expanded)
- 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, no.2, 2002 (SCI-Expanded)
- XIX. **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, no.3, 2002 (SCI-Expanded)
- XX. **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, no.3, pp.375-376, 2002 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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, no.4, pp.709-718, 2000 (SCI-Expanded)
- 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, no.12, pp.2023-2026, 1999 (SCI-Expanded)
- 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, no.10, pp.1654-1655, 1999 (SCI-Expanded)
- XXV. **Crystal structure of 1-ethyl-3-methylbenzimidazole-2-thione**
Ingeç S., Soylu H., Kucukbay H., Ercan F., Akkurt M.
ANALYTICAL SCIENCES, vol.15, no.9, pp.927-928, 1999 (SCI-Expanded)
- 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, no.7, pp.1072-1075, 1999 (SCI-Expanded)
- XXVII. **{[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, no.6, pp.928-930, 1999 (SCI-Expanded)

- XXVIII. **{[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, no.6, pp.930-932, 1999 (SCI-Expanded)
- XXIX. **{[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, no.6, pp.925-928, 1999 (SCI-Expanded)
- XXX. **Bis{(mu-acetato)[mu-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 (SCI-Expanded)
- XXXI. **Crystal structure of 1,3-dimethylbenzimidazole-2-selenone, C₉H₁₀N₂Se**
 Aydin A., Soylu H., Kucukbay H., Akkurt M., Ercan F.
 ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.214, no.2, pp.295-296, 1999 (SCI-Expanded)
- XXXII. **Bis{(mu-acetato)[mu-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 (SCI-Expanded)
- 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, no.9, pp.1268-1270, 1998 (SCI-Expanded)
- 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, no.4, pp.488-489, 1998 (SCI-Expanded)
- XXXV. **Preparation and X-ray structure of bis(1-methyl-3-ethylbenzimidazolidine-2-ylum) tetrafluoroborate**
 Aydin A., Soylu H., Gunes B., Akkurt M., Ercan E., Kucukbay H., Cetinkaya E.
 ZEITSCHRIFT FUR KRISTALLOGRAPHIE, vol.213, no.9, pp.473-476, 1998 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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, no.8, pp.1056-1057, 1997 (SCI-Expanded)
- 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 (SCI-Expanded)
- XXXIX. **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, no.6, pp.1051-1052, 1997 (SCI-Expanded)
- 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, no.2, pp.185-187, 1997 (SCI-Expanded)
- XLII. **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 FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES, vol.212, no.2, pp.183-184, 1997 (SCI-Expanded)
- 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, no.11, pp.2682-2684, 1996 (SCI-Expanded)
- 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 (SCI-Expanded)
- 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, no.8, pp.1881-1884, 1996 (SCI-Expanded)
- XLV. **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, no.5, pp.1141-1143, 1996 (SCI-Expanded)
- XLVI. **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, no.3, pp.243-247, 1996 (SCI-Expanded)
- XLVII. **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, no.10, pp.735-736, 1996 (SCI-Expanded)
- XLVIII. **Crystal structure of (beta-benzimidazolyl)proponoic acid, C₁₀H₁₀N₂O₂**
Ercan F., Ulku D., Pekmez K.
ZEITSCHRIFT FUR KRISTALLOGRAPHIE, vol.211, no.10, pp.733-734, 1996 (SCI-Expanded)
- XLIX. **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, no.4, pp.349-357, 1994 (SCI-Expanded)

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 (Peer-Reviewed Journal)
- II. **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, no.7, pp.1779-1780, 1996 (Scopus)

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

Metrics

Publication: 57

Citation (WoS): 570

Citation (Scopus): 578

H-Index (WoS): 14

H-Index (Scopus): 14

Non Academic Experience

Professional Organization, Hacettepe University, Fizik Mühendisliği Bölümü