

Prof. Dr. MÜRSEL ALPER

Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAG-8795-2021

ScopusID: 7005719283

Yoksis Araştırmacı ID: 5026

Eğitim Bilgileri

Doktora, University of Bristol, Physics, Birleşik Krallık 1991 - 1995

Yüksek Lisans, Bursa Uludağ Üniversitesi, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (YI) (Tezli), Türkiye 1985 - 1987

Lisans, Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Türkiye 1976 - 1982

Yabancı Diller

İngilizce, C1 İleri

Araştırma Alanları

Temel Bilimler, Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 2007 - Devam Ediyor

Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1999 - 2007

Yrd. Doç. Dr., Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1996 - 1999

Öğretim Görevlisi, Bursa Uludağ Üniversitesi, FEN-EDEBİYAT FAKÜLTESİ, FİZİK, 1995 - 1996

Yönetilen Tezler

ALPER M., Nikel-oksit yapıların büyütülmesi ve kapasitif davranışlarının incelenmesi, Yüksek Lisans, M.Durmuş(Öğrenci), 2019

ALPER M., NiCr ince filmlerin elektrokimyasal yöntemle üretilmesi ve özelliklerinin araştırılması, Yüksek Lisans, Z.Gültekin(Öğrenci), 2019

ALPER M., Ppy-co ve ppy-coni malzemelerin elektrodepozisyonla üretilmesi ve manyetik özelliklerinin incelenmesi, Yüksek Lisans, D.Vatansever(Öğrenci), 2017

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ALPER M., Co/Cu süperörgülerin elektrokimyasal olarak üretilmesi ve yapısal ve manyetik özelliklerinin incelenmesi,

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ALPER M., Katmanlı Ni/Cu nanoyapıların karakterizasyonları, Yüksek Lisans, A.Elif(Öğrenci), 2004

ALPER M., Magnetik süperörgülerin yapısal incelemeleri, Yüksek Lisans, F.Şener(Öğrenci), 2001

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Optical design of light guide prisms with surface roughness for automotive tail lights**
Guney E., ALPER M., Hacıismailoglu M.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART D-JOURNAL OF AUTOMOBILE ENGINEERING, sa.9, ss.2393-2401, 2020 (SCI-Expanded)
- II. **Effect of NiFe layer thickness on properties of NiFe/Cu superlattices electrodeposited on titanium substrate**
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JOURNAL OF MATERIALS SCIENCE-MATERIALS IN ELECTRONICS, sa.19, ss.17879-17889, 2019 (SCI-Expanded)
- III. **Optimization of Fe content in Electrodeposited FeCoCu/Cu magnetic multilayer**
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- IV. **Electrochemical, Structural and Magnetic Analysis of Electrodeposited CoCu/Cu Multilayers: Influence of Cu Layer Deposition Potential**
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- V. **Electrochemical Deposition of CoCu/Cu Multilayers: Structural and Magnetic Properties as a Function of Non-magnetic Layer Thickness**
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- VI. **Giant magnetoresistance (GMR) behavior of electrodeposited NiFe/Cu multilayers: Dependence of non-magnetic and magnetic layer thicknesses**
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- VII. **2D Magnetic Texture Analysis of Co-Cu Films**
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- VIII. **Facile electrodeposition CoCu/Cu multilayers: deposition potentials for magnetic layers**
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- IX. **Simple electrodepositing of CoFe/Cu multilayers: Effect of ferromagnetic layer thicknesses**
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- X. **Magnetoresistance behaviour in CoFe/Cu multilayers: thin Cu layer effect**
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- XI. **Scanning of nickel sulfamate concentration in electrodeposition bath used for production of Ni-Co**

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- XIII. **Differences observed in properties of ternary NiCoFe films electrodeposited at low and high pH**
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- XV. **Properties of Electrodeposited CoFeNi/Cu Superlattices: The Effect of CoFeNi and Cu Layers Thicknesses**
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- XVI. **Electrodeposited Co-Ni Films: Electrolyte pH-Property Relationships**
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- XVII. **Effect of Co and Cu Layer Thicknesses on Characterization of Electrodeposited Co/Cu Multilayers**
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- XVIII. **Surface Morphology, Structural and Magnetic Properties of Electrodeposited NiFeCu/Cu Films**
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- XX. **Effect of film thickness on properties of electrodeposited Ni-Co films**
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- XXI. **Electrodeposited Ni-Co films from electrolytes with different Co contents**
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- XXII. **The electrical characterization of electrodeposited Ni thin film on silicon: Schottky Barrier diodes**
AHMETOĞLU M., Tekgul A., ALPER M., Kucur B.
OPTOELECTRONICS AND ADVANCED MATERIALS-RAPID COMMUNICATIONS, cilt.6, ss.304-306, 2012 (SCI-Expanded)
- XXIII. **Effect of electrolyte pH and Cu concentration on microstructure of electrodeposited Ni-Cu alloy films**
Hacıismailoglu M., ALPER M.
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- XXIV. **The effect of different chemical compositions caused by the variation of deposition potential on properties of Ni-Co films**
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- XXV. **Electrodeposited Cobalt Films: Alteration Caused by the Electrolyte pH**
KARAAĞAÇ Ö., KÖÇKAR H., ALPER M.
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- XXVI. **Composition Dependence of Structural and Magnetic Properties of Electrodeposited Co-Cu Films**
KARAAĞAÇ Ö., KÖÇKAR H., ALPER M.

- IEEE TRANSACTIONS ON MAGNETICS, cilt.46, sa.12, ss.3973-3977, 2010 (SCI-Expanded)
- XXVII. **Co-Fe Films: Effect of Fe Content on Their Properties**
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- XXVIII. **The Effect of Fe Content in Electrodeposited CoFe/Cu Multilayers on Structural, Magnetic and Magnetoresistance Characterizations**
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- XXIX. **Contribution of electrolyte pH and deposition potentials to the magnetic anisotropy of electrodeposited nickel films**
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- XXX. **Characterisations of CoCu films electrodeposited at different cathode potentials**
KARAAĞAÇ Ö., ALPER M., KÖÇKAR H.
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- XXXI. **Role of electrolyte pH on structural and magnetic properties of Co-Fe films**
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- XXXII. **Determination of Texture Orientation Related Magnetic Properties of Nickel-Cobalt Films**
BAYIRLI M., KÖÇKAR H., ALPER M., Cokturen E.
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- XXXIII. **A new example of the diffusion-limited aggregation: Ni-Cu film patterns**
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- XXXIV. **Properties of Co-Fe Films: Dependence of Cathode Potentials**
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- XXXV. **Electrochemical production of Fe-Cu films: determination of the deposition potentials and their effect on microstructural and magnetic properties**
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- XXXVI. **Influence of Deposition Parameters of Novel Vacuum Coating Plant on Evaporated Ni₆₀Fe₄₀ and Ni₈₀Fe₂₀ Films**
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- XXXVII. **The Role of Cu Content on Properties of Electrodeposited Fe-Cu Films**
Karpuz A., ALPER M., KÖÇKAR H.
SENSOR LETTERS, cilt.7, sa.3, ss.255-258, 2009 (SCI-Expanded)
- XXXVIII. **Comparison of Ni-Cu alloy films electrodeposited at low and high pH levels**
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JOURNAL OF ALLOYS AND COMPOUNDS, sa.1-2, ss.15-19, 2008 (SCI-Expanded)
- XXXIX. **Electrical properties of n-Si /Cu Schottky diodes formed by electrodeposition**
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- XL. **Magnetic anisotropy and its thickness dependence for NiFe alloy films electrodeposited on polycrystalline Cu substrates**
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- XLI. **Preparation and characterisation of electrodeposited Ni-Cu/Cu multilayers**
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- JOURNAL OF APPLIED ELECTROCHEMISTRY, sa.8, ss.841-848, 2004 (SCI-Expanded)
- XLII. **The effect of pH changes on the giant magnetoresistance of electrodeposited superlattices**
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- XLIII. **MAGNETORESISTANCE IN ELECTRODEPOSITED NI-FE-CU/CU MULTILAYERS**
ATTENBOROUGH K., HART R., LANE S., ALPER M., SCHWARZACHER W.
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- XLIV. **GIANT MAGNETORESISTANCE IN ELECTRODEPOSITED CO-NI-CU/CU SUPERLATTICES**
ALPER M., ATTENBOROUGH K., BARYSHEV V., HART R., LASHMORE D., SCHWARZACHER W.
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- XLV. **GIANT MAGNETORESISTANCE IN ELECTRODEPOSITED SUPERLATTICES**
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- XLVI. **GROWTH AND CHARACTERIZATION OF ELECTRODEPOSITED CU/CU-NI-CO ALLOY SUPERLATTICES**
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Diğer Dergilerde Yayınlanan Makaleler

- I. **Development of electrodeposited multilayer coatings: A review of fabrication, microstructure, properties and applications**
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- II. **PROJECTION OF SCIENCES ONTO TEXTILE AND FASHION:NANO-TECHNOLOGY AND CHARGEABLE FABRIC EXAMPLE - PART II**
iyidoğan d., akdemir ö., jıtka e., kaplan g., çavuş m. b., ŞAFAK HACİİSMAİLOĞLU M., ALPER M., çobanoğlu ö.
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Cr based coatings electrodeposited by binary potential loop and their corrosion behaviour**
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- II. **Electrodeposition of p-type Copper-oxide films from an alkaline solution**
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- III. **Structural properties of silicon nanowires produced by metal-assisted chemical etching method**
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- IV. **Polypyrrole thin films for supercapacitor applications**
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8th International conference on materials science and nanotechnology for next generation (MSNG2021), Nevşehir, Türkiye, 14 Temmuz 2021
- V. **THE ELECTRICAL AND OPTICAL CHARACTERIZATION OF ELECTRODEPOSITED Ni /n-GaAs SCHOTTKY BARRIER DIODES**

Batmaz T., Kirezli B., Şafak Hacıismaılođlu M., Alper M., Ahmetođlu M.

rd International Conference on Organic Electronic Material Technologies (OEMT2018), Kırklareli, Türkiye, 20 - 22 Eylül 2018

- VI. **Electrodeposition of CoNi-polypyrrole composite films and their magnetic properties**
VATANSEVER D., ŞAFAK HACİİSMAİLOĐLU M., ALPER M., ŞARLAR K., KÜÇÜK İ.
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- VII. **The role of polypyrrole layer on titanium substrate for electrodeposition of cobalt**
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- VIII. **Electrochemical deposition of Cobalt-Polypyrrole composite films by changing Cobalt deposition potential**
Vatansever D., ŞAFAK HACİİSMAİLOĐLU M., ALPER M., KÖÇKAR H.
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- IX. **Electrochemical deposition of Cobalt-Polypyrrole composite films by changing Cobalt deposition potential**
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- X. **Structural, Magnetic and Magnetoresistance Properties of NiFe/Cu Superlattices Electrodeposited on Titanium Substrate Depending on Ni Fe Layer Thickness**
KURU H., Aytekin N., ŞAFAK HACİİSMAİLOĐLU M., ALPER M., KÖÇKAR H.
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- XI. **Electrochemical deposition of CoNi-PPy composite structures by changing Co concentration**
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12th International Workshop On Electrodeposited Nanostructures, 16 - 18 Mart 2017
- XII. **THE IMPACT of MAGNETIC LAYER DEPOSITION POTENTIAL OF THE ELECTRODEPOSITED COCU/MULTILAYERS**
TEKGÜL A., KÖÇKAR H., KURU H., ALPER M.
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- XIII. **Electrochemical deposition of CoNi-PPy composite structures by changing Co concentration**
Vatansever D., ŞAFAK HACİİSMAİLOĐLU M., ALPER M., KÖÇKAR H.
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- XIV. **Structural and optical properties of electrodeposited NiO thin films**
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- XV. **Elektrodepozisyon İle Üretilen NiO İnce Filmlerin Yapısal ve Optik Karakterizasyonu Otomotiv Dış Aydınlatmada İnce Film Uygulaması**
TÜRE Ç., ŞAFAK HACİİSMAİLOĐLU M., ALPER M.
10.ULUSALAYDINLATMAKONGRESİ, Türkiye, 16 - 18 Nisan 2015
- XVI. **Otomotiv Dış Aydınlatma Sistemleri İçin Işık Tüplerinin Optik Tasarımı ve Prototip İmalatı**
ŞENTÜRK GÜNEY E., ALPER M., ŞAFAK HACİİSMAİLOĐLU M., IŞIK M., TURŞUCULAR E.
10.ULUSALAYDINLATMAKONGRESİ, Türkiye, 16 - 18 Nisan 2015
- XVII. **GMR oscillations in electrodeposited CoFe Cu multilayers Influence of Cu layer thickness**
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- XVIII. **The effect of magnetic layer thickness on electrodeposited CoFe Cu multilayers GMR oscillations**
TEKGÜL A., ALPER M., KÖÇKAR H.
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- XIX. **Electrodeposition And Characterization Of Cocu cu Multilayers**

ŞAFAK HACİİSMAİLOĞLU M., ALPER M., KÖÇKAR H.

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XX. Deposition parameters dependence of properties of Co Mn electrodeposition films

KARPUZ A., KÖÇKAR H., ALPER M., KARAAĞAÇ Ö., ŞAFAK HACİİSMAİLOĞLU M.

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XXI. Gazlı' Saya~lann Bir Benzeri Olarak Avalanche Fotodiyotlar

Tapan İ., AKAY C., ALPER M.

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XXII. Nötron Akısı Altında Avalanche Fotodiyot Karakteristiklerinin Değişimlerinin İncelenmesi

Tapan İ., AKAY C., ALPER M.

TFD 17. Fizik Kongresi, Antalya, Türkiye, 27 - 31 Ekim 1998

Desteklenen Projeler

Tapan İ., Alper M., TÜBİTAK Projesi, Electrodeposition of Nanostructured Materials and Their Magnetotransport Characterization, 2005 - 2006

Bilimsel Hakemlikler

JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, SCI Kapsamındaki Dergi, Haziran 2021

Metrikler

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Akademi Dışı Deneyim

Macaristan Bilimler Akademisi-Araştırma Laboratuvarı

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University of Bristol