

Prof. HASAN OKUYUCU

Personal Information

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Education Information

Doctorate, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Turkey 1997 - 2002

Postgraduate, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, Turkey 1994 - 1997

Undergraduate, Istanbul Technical University, Sakarya Mühendislik Fakültesi, Metalurji Mühendisliği Pr., Turkey 1986 - 1991

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Yiterbiyum-baryum-bakır oksit süperiletken şeritlerin sol-jel metodu ile üretimi ve karakterizasyonu, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 2002

Postgraduate, Kalay-bizmut sisteminin termodinamiği, Gazi Üniversitesi, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 1997

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Ankara Yildirim Beyazıt University, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Mühendisliği Bölümü, 2015 - Continues

Associate Professor, Yıldırım Beyazıt Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Mühendisliği Bölümü, 2011 - 2015

Assistant Professor, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 2006 - 2011

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 2002 - 2006

Research Assistant, Florida State University, National High Magnetic Field Laboratory, Materials Science And Technology, 1999 - 2002

Research Assistant, Gazi University, Teknik Eğitim Fakültesi, Metal Eğitimi Bölümü, 1994 - 1999

Academic and Administrative Experience

Yıldırım Beyazıt Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Malzeme Mühendisliği Bölümü, 2015 - Continues
Dean, Ankara Yıldırım Beyazıt University, Mimarlık Fakültesi, 2019 - 2020
Vice Dean, Ankara Yıldırım Beyazıt University, Mühendislik ve Doğa Bilimleri Fakültesi, 2011 - 2018
Yıldırım Beyazıt Üniversitesi, Rektörlük, 2011 - 2014

Courses

Introduction to Materials Engineering, Undergraduate, 2017 - 2018
MALZEME BİLİMİ I, Undergraduate, 2016 - 2017, 2017 - 2018
Engineering Ethics, Undergraduate, 2017 - 2018

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

- I. **Corrosion behavior of age hardening aluminum alloys produced by high-energy ball milling**
Ozdemir F., Witharamage C. S. , Darwish A. A. , OKUYUCU H., Gupta R. K.
Journal of Alloys and Compounds, vol.900, 2022 (Journal Indexed in SCI Expanded)
- II. **Charge carrier transport in polycrystalline CH₃NH₃PbI₃ perovskite thin films in a lateral direction characterized by time-of-flight photoconductivity**
Emin S., Pavlica E., Okuyucu H., Valant M., Bratina G.
Materials Chemistry and Physics, vol.220, pp.182-189, 2018 (Journal Indexed in SCI Expanded)
- III. **Tungsten carbide electrocatalysts prepared from metallic tungsten nanoparticles for efficient hydrogen evolution**
Emin S., Altinkaya C., Semerci A., Okuyucu H., Yildiz A., Stefanov P.
Applied Catalysis B: Environmental, vol.236, pp.147-153, 2018 (Journal Indexed in SCI Expanded)
- IV. **Coating of nano-sized ionically conductive Sr and Ca doped LaMnO₃ films by sol-gel route**
OKUYUCU H., Cinici H., Konak T.
CERAMICS INTERNATIONAL, vol.39, no.2, pp.903-909, 2013 (Journal Indexed in SCI)
- V. **Optimizations of friction stir welding of aluminum alloy by using genetically optimized neural network**
Tansel I. N. , Demetgul M., Okuyucu H., Yapici A.
International Journal of Advanced Manufacturing Technology, vol.48, pp.95-101, 2010 (Journal Indexed in SCI Expanded)
- VI. **Coating of LaCoO₃ thin film with sol-gel dip coating method**
Okuyucu H., Dahl P. I. , Einarsrud M. A.
Journal of Nanoscience and Nanotechnology, vol.8, no.2, pp.685-688, 2008 (Journal Indexed in SCI Expanded)
- VII. **Investigation of effect of the stand-off distance on interface characteristics of explosively welded copper and stainless steel**
Durgutlu A., Okuyucu H., Gulenc B.
Materials and Design, vol.29, no.7, pp.1480-1484, 2008 (Journal Indexed in SCI Expanded)
- VIII. **Artificial neural network application to the friction stir welding of aluminum plates**
Okuyucu H., KURT A., Arcaklioglu E.
Materials and Design, vol.28, no.1, pp.78-84, 2007 (Journal Indexed in SCI Expanded)
- IX. **Evaluation of the lattice matching effect on critical current density for surface coated YbBa₂Cu₃O₇**
Okuyucu H.
Ceramics International, vol.30, no.8, pp.2143-2146, 2004 (Journal Indexed in SCI Expanded)
- X. **Growth and characterization of YbBCO films on textured Gd₂O₃ buffer-layered Ni tapes: All sol-gel process**
El-Kawni M., Okuyucu H., Aslanoglu Z., Akin Y., Hascicek Y.
Journal of Superconductivity and Novel Magnetism, vol.16, no.3, pp.533-536, 2003 (Journal Indexed in SCI)

Expanded)

- XI. **X-ray structure determination of the rare earth oxides (Er_{1-u}Gd_u)₂O₃ applying the rietveld method**
Heiba Z., Okuyucu H., Hascicek Y.
Journal of Applied Crystallography, vol.35, no.5, pp.577-580, 2002 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Üniversite Sıralamalarında Metodoloji: Gerçekte Ölçülen Ne?**
OKUYUCU H.
Üniversite Araştırmaları Dergisi, vol.2, no.2, pp.108-112, 2019 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Characteristics of Nickel Boron Electrodeposition Coatings prepared by Different Current Type**
ÖKTEM M. F. , KARSLIOĞLU R., OKUYUCU H., BARUT U.
1 st International Symposium on Light Alloys and Composite Materials (ISLAC'18), 22 - 24 March 2018
- II. **Effect of Current Type on Tribological Properties of Nickel Boron Coatings Produced by Electrodeposition**
BARUT U., GÜRCAN E., KARSLIOĞLU R., OKUYUCU H.
2nd International Conference on Tribology - TURKEYTRIB'xx18, 18 - 20 April 2018
- III. **Effect of Nano SiC amounts on Tribological properties of Ni-B-Co Based Nano Composite Coatings Produced by Electrodeposition**
BARUT U., GÜRCAN E., KARSLIOĞLU R., OKUYUCU H.
2nd International Conference on Tribology - TURKEYTRIB'xx18, 18 - 20 April 2018
- IV. **Effect of Different Current Type on Tribological properties of Ni-B-Co/SiC Nano Composite Coatings Produced by Electrodeposition**
BARUT U., GÜRCAN E., KARSLIOĞLU R., OKUYUCU H.
2nd International Conference on Tribology - TURKEYTRIB'xx18, 18 - 20 April 2018
- V. **Effect of Nano SiC Amounts on Tribological properties of Ni-B-Co Based Nano Composite Produced by Electrodeposition**
Barut U., Karşoğlu R., Okuyucu H.
2nd International Conference on Tribology (TurkeyTrib'18), İstanbul, Turkey, 18 - 20 April 2018, pp.56
- VI. **Effect of Different Current Type on Tribological Properties of Ni-B-Co/SiC Nano Composite Coatings Produced by Electrodeposition**
Barut U., Gürcan E., Karşoğlu R., Okuyucu H.
2nd International Conference on Tribology (TurkeyTrib'18), İstanbul, Turkey, 18 - 20 April 2018, pp.57
- VII. **Effect of Current Type on Tribological Properties of Nickel Boron Coatings Produced by Electrodeposition**
Barut U., Gürcan E., Karşoğlu R., Okuyucu H.
2nd International Conference on Tribology (TurkeyTrib'18), İstanbul, Turkey, 18 - 20 April 2018, pp.55
- VIII. **Synthesis of Nano Al₂O₃ Reinforcement Ni-Based Nanocomposite Coating by Electroless Deposition Technique**
BARUT U., KARSLIOĞLU R., ÖKTEM M. F. , OKUYUCU H.
1st International Symposium on Light Alloys and Composite Materials (ISLAC 'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.398
- IX. **Characteristics of Nickel Boron Electrodeposition Coatings prepared by Different Current Type**
BARUT U., KARSLIOĞLU R., ÖKTEM M. F. , OKUYUCU H.
1st International Symposium on Light Alloys and Composite Materials (ISLAC 'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.192

- X. **Graphene Reinforcement Silver Nanocomposite Electrodeposition for Electrical Contact Materials**
 BARUT U., KARSLIOĞLU R., ÖKTEM M. F. , OKUYUCU H.
 1st International Symposium on Light Alloys and Composite Materials (ISLAC 'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.146
- XI. **Graphene Reinforcement Silver Nano Composite by Electroless Deposition**
 BARUT U., KARSLIOĞLU R., ÖKTEM M. F. , OKUYUCU H.
 1st International Symposium on Light Alloys and Composite Materials (ISLAC 'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.213
- XII. **MWCNT REINFORCEMENT SILVER BASED NANOCOMPOSITE BY ELECTRODEPOSITION**
 BARUT U., KARSLIOĞLU R., ÖKTEM M. F. , OKUYUCU H.
 1st International Symposium on Light Alloys and Composite Materials (ISLAC 'xx18), Karabük, Turkey, 22 - 24 March 2018, pp.356
- XIII. **Synthesis of Nano Al₂O₃ Reinforcement Ni-Based Nanocomposite Coating by Electroless Deposition Technique**
 Barut U., Karshoğlu R., Öktem M. F. , Okuyucu H.
 1st International Symposium on Light Alloys and Composite Materials (ISLAC '18), Karabük, Turkey, 22 - 24 March 2018, pp.398
- XIV. **Characteristics of Nickel Boron Electrodeposition Coatings prepared by Different Current Type**
 Barut U., Karshoğlu R., Okuyucu H., Öktem M. F.
 1st International Symposium on Light Alloys and Composite Materials (ISLAC18), Karabük, Turkey, 22 - 24 March 2018, pp.192
- XV. **Investigation of Solution Ph Effect on Surface Modification of TiO₂ Thin Films**
 Emin S. M. , Ertuğrul G., Valant M., OKUYUCU H.
 METAL 2017, Brno, Czech Republic, 24 - 26 May 2017
- XVI. **Tungsten carbide thin films for electrochemical water splitting studies**
 Emin S., Altinkaya C., SEMERCI A., Valant M., OKUYUCU H., YILDIZ A.
 International conference on functional nanomaterials and nanodevices, 24 - 27 October 2017
- XVII. **Graphene Reinforcement of Copper Metal Matrix Nanocomposite Coatings on Low Carbon Steel by Different Electrodeposition Methods**
 GÜRCAN E., KARSLIOĞLU R., OKUYUCU H., İNAN A., YÜCE H. H. , TAŞTEKİN F.
 International Materials Technologies And Metallurgy Conference 2017, 26 - 27 October 2017
- XVIII. **Copper-Graphene Composite Coating with Different Amount of Graphene on Low Carbon Steel by Electrodeposition**
 TAŞTEKİN F., KARSLIOĞLU R., OKUYUCU H., İNAN A., YÜCE H. H. , GÜRCAN E.
 International Materials Technologies And Metallurgy Conference 2017, 26 September - 27 October 2017
- XIX. **Nano Size AL₂O₃ Reinforcement Ni-Co Nanocomposite By Electrodeposition**
 KARSLIOĞLU R., OKUYUCU H.
 International Materials Technologies And Metallurgy Conference 2017, 26 - 27 September 2017
- XX. **INVESTIGATION OF SOLUTION PH EFFECT ON SURFACE MODIFICATION OF TiO₂ THIN FILMS**
 ATEŞOĞLU G., OKUYUCU H.
 METAL 2017: 26TH INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS, Brno, Czech Republic, 24 - 26 May 2017, pp.1098-1103
- XXI. **Investigation of solution pH effect on surface modification of TiO₂ thin films**
 Ertuğrul G., Emin S. M. , Valant M., OKUYUCU H.
 26th International Conference on Metallurgy and Materials, METAL 2017, Brno, Czech Republic, 24 - 26 May 2017, pp.1098-1103
- XXII. **Mühendislikte Evrensellik ve Yerellik**
 OKUYUCU H.
 Felsefe Şurası, Ankara, Turkey, 17 - 19 May 2016
- XXIII. **Investigation of Photocatalytic Properties of TiO₂ Thin Film Coated on Plexy Glass**
 OKUYUCU H., ÇELEBİ N., Tarık B.

- 24th International Conference on Metallurgy and Materials, 3 - 05 June 2015
- XXIV. **Alüminyum Cürufundan Alüminyum Metali ve Flaks Eldesi**
SÖZBİR N., AKÇİL M., OKUYUCU H.
ISEM, 11 - 13 May 2015
- XXV. **INVESTIGATION OF PHOTOCATALYTIC PROPERTIES OF TiO₂ THIN FILM COATED ON PLEXY GLASS**
OKUYUCU H., ÇELEBİ N., BAZU T.
24th International Conference on Metallurgy and Materials, Brno, Czech Republic, 3 - 05 June 2015, pp.996-1004
- XXVI. **Coating of nano sized ionically conductive films by sol-gel route**
Okuyucu H., Konak T., Çinici H.
17th International Metallurgical and Materials Conference, METAL 2008, Hradec nad Moravici, Czech Republic, 13 - 15 May 2008
- XXVII. **Yb-123 superconducting film coating on Gd₂O₃ buffered nickel substrate by sol-gel method**
Okuyucu H., Hasçıçek Y., KARAKAYA İ.
Proceedings of the 8th Conference and Exhibition of the European Ceramic Society, İstanbul, Turkey, 29 June - 03 July 2003, pp.1209-1212
- XXVIII. **Development of 100% lattice match buffer layers on RABiTS Ni tapes by sol-gel**
Okuyucu H., Arda L., Akin Y., Heiba Z. K., Aslanoglu Z., Hascicek Y. S.
2002 Applied Superconductivity Conference, Houston, TX, United States Of America, 4 - 09 August 2002, vol.13, pp.2680-2683
- XXIX. **Y-and Yb-123 coated conductor development by PLD and sol-gel on (Gd_{1-x}Er_x)₂O₃ buffered Ni tapes**
Okuyucu H., Arda L., Heiba Z. K., El-Kawni M. I., Tolliver J. C., Barnes P. N., Aslanoglu Z., Akin Y., Hascicek Y. S.
2002 Applied Superconductivity Conference, Houston, TX, United States Of America, 4 - 09 August 2002, vol.13, pp.2677-2679
- XXX. **Electrical characterization of ceramic insulation coatings for magnet technology**
Celik E., Mutlu I., Okuyucu H., Hascicek Y.
2000 Applied Superconductivity Conference, Virginia Beach, VA, United States Of America, 17 - 22 September 2000, vol.11, pp.2881-2884
- XXXI. **Textured La₂Zr₂O₇, Gd₂O₃, and Er₂O₃ buffer layers for a long-length YBCO coated conductors by non-vacuum process**
Celik E., Okuyucu H., Mutlu I., Tomsic M., Schwartz J., Hascicek Y.
2000 Applied Superconductivity Conference, Virginia Beach, VA, United States Of America, 17 - 22 September 2000, vol.11, pp.3162-3165
- XXXII. **Textured buffer layers for YBCO coated conductors by continuous sol-gel processing**
Okuyucu H., Celik E., Ramazanoglu M., Akin Y., Mutlu I., Sigmund W., Crow J., Hascicek Y.
2000 Applied Superconductivity Conference, Virginia Beach, VA, United States Of America, 17 - 22 September 2000, vol.11, pp.2889-2892

Supported Projects

Öktem M. F., Okuyucu H., TUBITAK Project, Süt Üretiminde Mastitis Erken Uyarı Cihazı, 2018 - 2020

Karshoğlu R., Okuyucu H., Öktem M. F., TUBITAK Project, Nano Kompozit Elektrik Kontak Malzemelerinin Doğru, Pulse ve Pulse Reverse Ekterodepozisyon Yöntemi İle Üretilmesi, 2017 - 2019

OKUYUCU H., Project Supported by Higher Education Institutions, Merkezi Lab. Alryapı, 2017 - 2018

OKUYUCU H., Project Supported by Higher Education Institutions, 26th INTERNATIONAL CONFERENCE ON METALLURGY AND MATERIALS, 2017 - 2017

Karshoğlu R., Öktem M. F., Okuyucu H., Project Supported by Higher Education Institutions, Grafen Takviyeli Bakır Matriksli Nano Kompozitlerin Pulse Reverse Elektrodepozisyon Yöntemi ile Üretilmesi, 2016 - 2017

OKUYUCU H., Project Supported by Higher Education Institutions, Sol-Gel processing and characterization of solid rocket propellant, 2016 - 2017

OKUYUCU H., Project Supported by Higher Education Institutions, Malzemelerin Yapısal Karakterizasyonu, 2016 - 2016
OKUYUCU H., Project Supported by Higher Education Institutions, Malzeme Seçiminde Bilgisayar Uygulamaları, 2015 - 2016
OKUYUCU H., Project Supported by Higher Education Institutions, 2ND INTERNATIONAL SYMPOSIUM ON INNOVATIVE TECHNOLOGIES IN ENGINEERING AND SCIENCE, 2014 - 2016
OKUYUCU H., Project Supported by Higher Education Institutions, 24th International Conference on Metallurgy and Materials, 2015 - 2015
OKUYUCU H., TUBITAK Project, TM yöntemiyle Al esaslıbor karbür ve seramik parçacık takviyeli metalik köpük üretimi ve integral zırh malzemesi olarak performansının değerlendirilmesi, 2007 - 2009

Citations

Total Citations (WOS):140

h-index (WOS):3

Non Academic Experience

Other Public Institution, Diğer (Kurumlar,hastaneler Vb.)