

Prof. ŞADAN ÖZCAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Mühendislik Fakültesi, Fizik Müh., Turkey 1998 - 2000

Postgraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Müh., Turkey 1990 - 1998

Undergraduate, Hacettepe University, Mühendislik Fakültesi, Fizik Müh., Turkey 1984 - 1990

Foreign Languages

English, C1 Advanced

Research Areas

Physics, Intensive Article 2: Electronic Structure, Electric, Magnetic and Optical Properties, Magnetic Properties and Materials, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2012 - Continues

Associate Professor, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2007 - 2012

Lecturer PhD, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2002 - 2007

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 1990 - 2002

Academic and Administrative Experience

Head of Department, Hacettepe University, Fen Bilimleri Enstitüsü, Nanoteknoloji ve Nanotıp A.B.D., 2018 - 2020

Hacettepe Üniversitesi, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, 2014 - 2016

Advising Theses

ÖZCAN Ş., Bor tabanlı malzemelerin sentezlenmesi ve hidrojen depolama özelliklerinin incelenmesi, Postgraduate, G.BAYAZİT(Student), 2016

ÖZCAN Ş., Nanokristal mnb alaşımının sentezlenmesi ve hipertermi uygulamasının araştırılması, Postgraduate, Ç.PİYAN(Student), 2016

ÖZCAN Ş., Değiş-tokuş etkileşimi çiftlenimli nanomiknatsların manyetik özelliklerinin incelenmesi, Doctorate, T.ŞİMŞEK(Student), 2015

ÖZCAN Ş., Zirkonyum diborür nano kristal kaplanmış farklı malzemelerin mekanik ve işlenebilirlik özelliklerinin araştırılması, Doctorate, T.ŞİMŞEK(Student), 2014

ÖZCAN Ş., Yeni nesil ince filmler ile optoelektronik uygulamaların araştırılması, Doctorate, M.DENİZ(Student), 2014

ÖZCAN Ş., Ferrit tabanlı nanokompozit malzemelerde mikrodalga soğurma özelliklerinin araştırılması, Doctorate, M.BURAK(Student), 2014

ÖZCAN Ş., Katalizör ve ENG katkılı MgH₂ peletlerin yapısal özelliklerinin ve hidrojen kinetiğinin araştırılması, Postgraduate, G.GİZER(Student), 2014

ÖZCAN Ş., Kompleks hidrit nanoparçacıkların sentezi ve hidrojen kinematığının araştırılması, Postgraduate, S.AKANSEL(Student), 2012

ÖZCAN Ş., FePt nanoparçacıkların kimyasal yöntem ile sentezlenmesi ve manyetik özelliklerinin belirlenmesi, Postgraduate, T.ÜNSAL(Student), 2009

ÖZCAN Ş., Nanoakışkanların ısıl iletkenliklerinin ölçülmesi, Postgraduate, M.ARTUÇ(Student), 2007

ÖZCAN Ş., Hidrojenin ek yakıt olarak kullanılmasının dizel motorlara etkilerinin incelenmesi, Postgraduate, C.ERMAN(Student), 2007

ÖZCAN Ş., Manyetik nanoparçacıkların fiziksel özelliklerinin araştırılması, Postgraduate, M.MUTLU(Student), 2005

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The effect of Cr and Nb addition on the structural, morphological, and magnetic properties of the mechanically alloyed high entropy FeCoNi alloys**
Yakin A., ŞİMŞEK T., AVAR B., Chattopadhyay A. K., ÖZCAN Ş., Simsek T.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.8, 2022 (SCI-Expanded)
- II. **Synthesis and characterization of amorphous-nanocrystalline Fe₇₀Cr₁₀Nb₁₀B₁₀ powders by mechanical alloying**
AVAR B., Chattopadhyay A. K., Simsek T., ŞİMŞEK T., ÖZCAN Ş., Kalkan B.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.6, 2022 (SCI-Expanded)
- III. **Effect of Cu, Sn and Sb addition on the structural, thermal and magnetic properties of body-centered cubic structured CoNiMnGaSi high entropy alloy**
ŞİMŞEK T., Ozkul I., AKSU CANBAY C., AVAR B., Simsek T., Guler S. H., ÖZCAN Ş., Guler O., Chattopadhyay A. K.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.128, no.6, 2022 (SCI-Expanded)
- IV. **Characterization of mechanochemically synthesized ZrB₂ nanocrystals with Zr/ZrO₂, B₂O₃, and Mg reactants**
ŞİMŞEK T., Baris M., Chattopadhyay A. K., ÖZCAN Ş., AKKURT A.
INORGANIC AND NANO-METAL CHEMISTRY, vol.52, no.2, pp.262-269, 2022 (SCI-Expanded)
- V. **A single step synthesis by mechanical alloying and characterization of nanostructured Fe₂B of high magnetic moment**
ŞİMŞEK T., Avar B., Şimşek T., YILDIZ B., Chattopadhyay A. K., ÖZCAN Ş.
Ceramics International, vol.47, pp.26119-26124, 2021 (SCI-Expanded)
- VI. **Structural stability of mechanically alloyed amorphous (FeCoNi)₇₀Ti₁₀B₂₀ under high-temperature and high-pressure**
AVAR B., Simsek T., ÖZCAN Ş., Chattopadhyay A. K., Kalkan B.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.860, 2021 (SCI-Expanded)
- VII. **High purity synthesis of ZrB₂ by a combined ball milling and carbothermal method: Structural and magnetic properties**
Baris M., Simsek T., Şimşek T., Özcan Ş., Kalkan B.
Advanced Powder Technology, vol.29, pp.2440-2446, 2018 (SCI-Expanded)

- VIII. **Surface Treatment of S355JR Carbon Steel Surfaces with ZrB₂ Nanocrystals by CO₂ Laser**
Simsek T., BARIS M., CHATTOPADHYAY A. K., ÖZCAN Ş., Akkurt A.
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, vol.71, no.8, pp.1885-1896, 2018 (SCI-Expanded)
- IX. **Islak Öğütme Yöntemi ile Metalik Demir ve Kobalttan Hazırlanmış CoFe₂O₄ Nanoyapılarda Doyum Manyetizasyonunun Yapıya Bağlı Değişimi**
KAYNAR M. B., TOPRAK a., ÖZCAN Ş.
Journal Of The Faculty Of Engineering And Architecture Of Gazi University, vol.18, 2018 (SCI-Expanded)
- X. **Phase transition of chemically synthesized FePt nanoparticles under high pressure**
Şimşek T., Karcı Ö., Özcan Ş.
TURKISH JOURNAL OF CHEMISTRY, vol.42, no.5, pp.1217-1223, 2018 (SCI-Expanded)
- XI. **Magnetocaloric effect in La-0.7 NdxBa(0.3-x)MnO₃ (x=0, 0.05, 0.1) perovskite manganites**
Unlu C. G., Tanis Y. E., KAYNAR M. B., ŞİMŞEK T., ÖZCAN Ş.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.704, pp.58-63, 2017 (SCI-Expanded)
- XII. **Magnetic Resonance Imaging Safety of Magnetically Controlled Growing Rods in an in Vivo Animal Model**
EROGLU M., DEMIRKIRAN G., Kocyigit I. A., Bilgili H., KAYNAR M. B., Bumin A., ÖZCAN Ş., YAZICI M.
Spine, vol.42, no.9, 2017 (SCI-Expanded)
- XIII. **Fabrication and Magnetic Properties of Mn (x) B₄₅Co_{100-x} Alloys**
PIYAN C., ŞİMŞEK T., KAYNAR M. B., ÖZCAN Ş.
JOURNAL OF SUPERCONDUCTIVITY AND NOVEL MAGNETISM, vol.29, no.8, pp.2203-2206, 2016 (SCI-Expanded)
- XIV. **Formation of ST12 phase Ge nanoparticles in ZnO thin films**
CEYLAN A., GUMRUKCU A. E., Akin N., ÖZCAN Ş., Ozelik S.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.40, pp.407-411, 2015 (SCI-Expanded)
- XV. **Characterization and amorphous phase formation of mechanically alloyed Co₆₀Fe₅Ni₅Ti₂₅B₅ powders**
Avar B., ÖZCAN Ş.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.650, pp.53-58, 2015 (SCI-Expanded)
- XVI. **Synthesis and magnetic properties of nanocrystalline BaFe₁₂O₁₉**
KAYNAR M. B., ÖZCAN Ş., Shah S. I.
CERAMICS INTERNATIONAL, vol.41, no.9, pp.11257-11263, 2015 (SCI-Expanded)
- XVII. **Structural and Magnetic Properties of Mn_xB_{100-x} Alloys**
ŞİMŞEK T., ÖZCAN Ş.
IEEE TRANSACTIONS ON MAGNETICS, vol.51, no.7, 2015 (SCI-Expanded)
- XVIII. **Rapid thermal annealing induced formation of Ge nanoparticles in ZnO thin films: A detailed SAXS study**
CEYLAN A., YILDIRIM L., ÖZCAN Ş., Shah S. I.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.34, pp.8-13, 2015 (SCI-Expanded)
- XIX. **Effects of disordered surface structure on the magnetic properties of nanocrystalline MnFe₂O₄**
CEYLAN A., ÖZCAN Ş.
CERAMICS INTERNATIONAL, vol.41, no.3, pp.3875-3878, 2015 (SCI-Expanded)
- XX. **Effects of rapid thermal annealing on the structural and local atomic properties of ZnO: Ge nanocomposite thin films**
CEYLAN A., Rumaiz A. K., Caliskan D., ÖZCAN Ş., Ozbay E., WOICIK J. C.
JOURNAL OF APPLIED PHYSICS, vol.117, no.10, 2015 (SCI-Expanded)
- XXI. **Quantitative Characterization of Magnetic Mobility of Nanoparticle in Solution-Based Condition**
RODOPLU D., BOYACI İ. H., BOZKURT A. G., EKSI H., Zengin A., Tamer U., AYDOĞAN N., ÖZCAN Ş., Tugcu-Demiroz F.
CURRENT PHARMACEUTICAL DESIGN, vol.21, no.37, pp.5389-5400, 2015 (SCI-Expanded)
- XXII. **Rapid thermal annealing induced formation of Ge nanoparticles in ZnO thin films: A detailed SAXS study**
YILDIRIM L., CEYLAN A., ÖZCAN Ş., Shah S. I.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.71, 2015 (SCI-Expanded)

- XXIII. **Low dark current and high speed ZnO metal-semiconductor-metal photodetector on SiO₂/Si substrate**
Caliskan D., Butun B., Cakir M. C., ÖZCAN Ş., Ozbay E.
APPLIED PHYSICS LETTERS, vol.105, no.16, 2014 (SCI-Expanded)
- XXIV. **Structural, mechanical and magnetic properties of Fe-40-at.% Al powders during mechanical alloying**
Avar B., Gogebakan M., ÖZCAN Ş., Kerli S.
JOURNAL OF THE KOREAN PHYSICAL SOCIETY, vol.65, no.5, pp.664-670, 2014 (SCI-Expanded)
- XXV. **Structural evolutions in Ti and TiO₂ powders by ball milling and subsequent heat-treatments**
Avar B., ÖZCAN Ş.
CERAMICS INTERNATIONAL, vol.40, no.7, pp.11123-11130, 2014 (SCI-Expanded)
- XXVI. **Synthesis of MnFe₂O₄ nanocrystals by wet-milling under atmospheric conditions**
ŞİMŞEK T., AKANSEL S., ÖZCAN Ş., CEYLAN A.
CERAMICS INTERNATIONAL, vol.40, no.6, pp.7953-7956, 2014 (SCI-Expanded)
- XXVII. **Spectral response modification of TiO₂ MSM photodetector with an LSPR filter**
Caliskan D., Butun B., ÖZCAN Ş., Ozbay E.
OPTICS EXPRESS, vol.22, no.12, pp.14096-14100, 2014 (SCI-Expanded)
- XXVIII. **Anisotropic core-shell Fe₃O₄@Au magnetic nanoparticles and the effect of the immunomagnetic separation volume on the capture efficiency**
Zengin A., BOZKURT A., BOYACI İ. H., ÖZCAN Ş., DANIEL P., LAGARDE F., GIBAUD A., Cetin D., Suludere Z., GUTTMANN P., et al.
PURE AND APPLIED CHEMISTRY, vol.86, no.6, pp.967-978, 2014 (SCI-Expanded)
- XXIX. **Effective magnetic anisotropy enhancement of FePt nanocrystals through shape control**
ŞİMŞEK T., ÖZCAN Ş.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.351, pp.47-51, 2014 (SCI-Expanded)
- XXX. **The influence of reactive milling on the structure and magnetic properties of nanocrystalline MnFe₂O₄**
ÖZCAN Ş., Akansel S., CEYLAN A.
CERAMICS INTERNATIONAL, vol.39, no.5, pp.5335-5341, 2013 (SCI-Expanded)
- XXXI. **Elbow problems in paraplegic spinal cord injured patients: frequency and related risk factors-a preliminary controlled study**
Erhan B., Gunduz B., Bardak A. N., Ozcan S., Carli A., Er H., Tekin L., Ozcakar L.
SPINAL CORD, vol.51, no.5, pp.406-408, 2013 (SCI-Expanded)
- XXXII. **Synthesis of ZnO: Ge nanocomposite thin films by plasma gas condensation**
CEYLAN A., Ali J. M., ÖZCAN Ş.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.16, no.2, pp.424-428, 2013 (SCI-Expanded)
- XXXIII. **Metal-semiconductor-metal photodetector on as-deposited TiO₂ thin films on sapphire substrate**
Caliskan D., Butun B., ÖZCAN Ş., Ozbay E.
JOURNAL OF VACUUM SCIENCE & TECHNOLOGY B, vol.31, no.2, 2013 (SCI-Expanded)
- XXXIV. **Solvent free fabrication of nanoporous TiO₂ filters using organic-inorganic nanocomposites**
KAYNAR M. B., DelPercio R., Yassitepe E., ÖZCAN Ş., Shah S. I.
POWDER TECHNOLOGY, vol.233, pp.331-334, 2013 (SCI-Expanded)
- XXXV. **Effect of hexane on magnetic blocking behavior of FePt nanoparticles**
ŞİMŞEK T., AKANSEL S., ÖZCAN Ş.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.324, no.22, pp.3924-3928, 2012 (SCI-Expanded)
- XXXVI. **Non-equilibrium cation distribution and enhanced spin disorder in hollow CoFe₂O₄ nanoparticles**
Jaffari G. H., CEYLAN A., Bui H. P., Beebe T. P., ÖZCAN Ş., Shah S. I.
JOURNAL OF PHYSICS-CONDENSED MATTER, vol.24, no.33, 2012 (SCI-Expanded)
- XXXVII. **Structural, optical and magnetic properties of Zn_{1-x}Mn_xO micro-rod arrays synthesized by spray pyrolysis method**
YILMAZ Ş., BACAŞIZ E., McGlynn E., POLAT İ., ÖZCAN Ş.
THIN SOLID FILMS, vol.520, no.16, pp.5172-5178, 2012 (SCI-Expanded)

- XXXVIII. **Magnetotransport study on AlInN/(GaN)/AlN/GaN heterostructures**
 Bayrakli A., Arslan E., Firat T., ÖZCAN Ş., Kazar O., Cakmak H., Ozbay E.
 PHYSICA STATUS SOLIDI A-APPLICATIONS AND MATERIALS SCIENCE, vol.209, no.6, pp.1119-1123, 2012 (SCI-Expanded)
- XXXIX. **Effects of Cu diffusion-doping on structural, optical, and magnetic properties of ZnO nanorod arrays grown by vapor phase transport method**
 Yilmaz S., McGlynn E., BACAŞIZ E., ÖZCAN Ş., Byrne D., Henry M. O., Chellappan R. K.
 JOURNAL OF APPLIED PHYSICS, vol.111, no.1, 2012 (SCI-Expanded)
- XL. **Structural, optical and magnetic properties of Cr doped ZnO microrods prepared by spray pyrolysis method**
 YILMAZ Ş., PARLAK M., ÖZCAN Ş., Altunbas M., McGlynn E., BACAŞIZ E.
 APPLIED SURFACE SCIENCE, vol.257, no.22, pp.9293-9298, 2011 (SCI-Expanded)
- XLI. **Interparticle interaction effects on magnetic behaviors of hematite (α -Fe₂O₃) nanoparticles**
 Can M. M., Firat T., ÖZCAN Ş.
 PHYSICA B-CONDENSED MATTER, vol.406, no.13, pp.2483-2487, 2011 (SCI-Expanded)
- XLII. **Dominancy of antiferromagnetism in Zn_{1-x}CoxO diluted magnetic semiconductors**
 Can M. M., Firat T., ÖZCAN Ş.
 JOURNAL OF MATERIALS SCIENCE, vol.46, no.6, pp.1830-1838, 2011 (SCI-Expanded)
- XLIII. **Defect induced ferromagnetism in carbon-doped ZnO thin films**
 Akbar S., Hasanain S. K., Abbas M., ÖZCAN Ş., Ali B., Shah S. I.
 SOLID STATE COMMUNICATIONS, vol.151, no.1, pp.17-20, 2011 (SCI-Expanded)
- XLIV. **Single step synthesis of nanocrystalline ZnO via wet-milling**
 ÖZCAN Ş., Can M. M., CEYLAN A.
 MATERIALS LETTERS, vol.64, no.22, pp.2447-2449, 2010 (SCI-Expanded)
- XLV. **Effect of milling time on the synthesis of magnetite nanoparticles by wet milling**
 Can M. M., ÖZCAN Ş., CEYLAN A., Firat T.
 MATERIALS SCIENCE AND ENGINEERING B-ADVANCED FUNCTIONAL SOLID-STATE MATERIALS, vol.172, no.1, pp.72-75, 2010 (SCI-Expanded)
- XLVI. **Structural, Optic, and Magnetic Investigation of the Synthesized ZnO and Zn_{0.99}Co_{0.010} Semiconductors via Solid State Reaction**
 Can M. M., Firat T., ÖZCAN Ş.
 IEEE TRANSACTIONS ON MAGNETICS, vol.46, no.6, pp.1809-1812, 2010 (SCI-Expanded)
- XLVII. **Weakly ferromagnetic microspheres bearing paramagnetic CrBO₃ core and nonmagnetic polyvinylbutyral shell**
 ÖZTÜRK O. C., TANYOLAÇ D., ÖZCAN Ş., Zumreoglu-Karan B.
 POLYMERS FOR ADVANCED TECHNOLOGIES, vol.20, no.12, pp.1096-1101, 2009 (SCI-Expanded)
- XLVIII. **Phylogenetic relationships of some wild wheat species based on the internal transcribed spacer sequences of nrDNA**
 Gulbitti-Onarici S., Sancak C., Sumer S., Ozcan S.
 CURRENT SCIENCE, vol.96, no.6, pp.794-800, 2009 (SCI-Expanded)
- XLIX. **Preparation and Characterization of Novel Wood Nanocomposites**
 İDE S., Soylu E. H., Rodoplu D., Kucukyildiz S., Sen G., Aslan S., ÖZCAN Ş., Can M. M.
 ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- L. **Solid state reaction synthesis of NiFe₂O₄ nanoparticles**
 Ceylan A., ÖZCAN Ş., Ni C., Shah S. I.
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.320, no.6, pp.857-863, 2008 (SCI-Expanded)
- LI. **Synthetic, structural and magnetic studies on chromium orthoborate**
 Oeztuerk O. F., Zuemreoglu-Karan B., Can M. M., ÖZCAN Ş.
 ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.634, pp.1127-1132, 2008 (SCI-Expanded)
- LII. **Synthesis of ZnFe₂O₄ from metallic zinc and iron by wet-milling process**
 Ozcan S., Kaynar B., Can M., Firat T.

MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY, vol.121, no.3, pp.278-281, 2005 (SCI-Expanded)

- LIII. **Magnetism on the Tb_{1-x}Nd_xMn₂Si₂ silicides**
Kilic A., Kervan S., Ozcan S., Gencer A.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.288, pp.244-249, 2005 (SCI-Expanded)
- LIV. **Self-evaluations of tuberculosis patients about their illnesses at Ankara Atatürk Sanatorium Training and Research Hospital, Turkey**
ASLAN D., Altintas H., Emri S., Cesuroglu T., Kotan O., Koyuncu S., Malcok I., Meral A., Ozcan S., Sarinc S.
RESPIRATORY MEDICINE, vol.98, no.7, pp.626-631, 2004 (SCI-Expanded)
- LV. **Magnetic properties of Pr_{1-x}Gd_xMn₂Ge₂ compounds**
Kilic A., Kervan S., Ozcan S., Gencer A.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.370, pp.47-52, 2004 (SCI-Expanded)
- LVI. **In vitro crown galls induced by Agrobacterium tumefaciens strain A281 (pTiBo542) in Trigonella foenum-graecum**
Khawar K., Gulbitti-Onarici S., Cocu S., Erisen S., Sancak C., Ozcan S.
BIOLOGIA PLANTARUM, vol.48, no.3, pp.441-444, 2004 (SCI-Expanded)
- LVII. **Magnetic phase transitions in LaMn_{2-x}FexSi₂ silicides**
Kervan S., Kilic A., Ozcan S., Gencer A.
SOLID STATE COMMUNICATIONS, vol.130, pp.101-105, 2004 (SCI-Expanded)
- LVIII. **Diversity and distribution of entomopathogenic nematodes (Rhabditida : Steinernematidae and Heterorhabditidae) in Turkey**
Hazir S., Keskin N., Stock S., Kaya H., Ozcan S.
BIODIVERSITY AND CONSERVATION, vol.12, no.2, pp.375-386, 2003 (SCI-Expanded)
- LIX. **CHARACTERIZATION AND MAGNETIC-BEHAVIOR OF COBALT(II) AND GADOLINIUM(III) POLYACRYLATES**
UNALEROGLU C., ZUMREOGLUKARAN B., OZCAN S., FIRAT T.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.56, no.10, pp.1239-1243, 1995 (SCI-Expanded)
- LX. **EFFECTS OF THE OXYGEN-UPTAKE ON THE CRYSTAL-STRUCTURE OF 110K BIPBSRCACUO SUPERCONDUCTOR**
OZDAS E., OZCAN S., ULKU D., Firat T.
APPLIED SUPERCONDUCTIVITY, vol.1, pp.559-566, 1993 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Synthesis and Application of LaB₆ Nano-phase Powders for Strengthening Metal and Ceramic Matrices**
ŞİMŞEK T., CHATTOPADHYAY A. K., BARIS M., BİLEN M., ÖZCAN Ş.
International Conference on Powder Metallurgy and Particulate Materials-POWDERMET2018, Texas, United States Of America, 17 - 20 June 2018, pp.1-13
- II. **MnCoB nanoparticles for hyperthermia applications**
ŞİMŞEK T., PIYAN c., ÖZCAN Ş.
12th European Magnetic Sensors and Actuators Conference EMSA 2018, 1 - 04 July 2018
- III. **Combustion Synthesis, Characterization and Magnetic Properties of FexCr_{2-x}B(PO₄)₃**
ÖZER D., ŞİMŞEK T., ÖZCAN Ş., ALTUNTAS OZTAS N.
6th International Conference on Superconductivity and Magnetism, 1 - 04 May 2018
- IV. **Investigation of Hydriding Properties of Mg₈₀-Ni₂₀ Alloy Ribbons Produced by Melt Spinning Method**
ÖZTÜRK S., SÜNBÜL S. E., İCİN K., ÖZTÜRK B., Bayazit G., ÖZCAN Ş.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018

- V. **Production of Rapidly Solidified Mg Based Alloy Ribbons by Melt Spinning Method**
ÖZTÜRK S., SÜNBÜL S. E., İCİN K., ÖZTÜRK B., Bayazit G., ÖZCAN Ş.
1st International Symposium on Light Alloys and Composite Materials (ISLAC'18), Karabük, Turkey, 22 - 24 March 2018
- VI. **Mg₆₀Ni₄₀ ALLOY SYNTHESIS AND INVESTIGATION OF HYDROGEN STORAGE PROPERTIES**
BAYAZIT G., SÜNBÜL S. E., ÖZTÜRK S., İCİN K., ÖZCAN Ş.
3rd International Hydrogen Technologies Congress (IHTEC2018), Antalya, Turkey, 15 - 18 March 2018
- VII. **The Effects of Temperature and Time on High Vacuum Sulfidation of Sputtered Sn Thin Films on SLG and SLG/Mo Substrates**
ALPDOĞAN S., GÜBÜR H. M., ÇETİN S. Ş., ÖZÇELİK S., KOCABAŞ C., ÖZCAN Ş., CEYLAN A.
Nanotr 13, 22 - 25 October 2017
- VIII. **The Effect of Temperature and Time on High Vacuum Sulfidation of Sputtered Sn Thin Films on SLG and SLG/Mo Substrates**
ALPDOĞAN S., METİN GÜBÜR H., ÇETİN S. Ş., ÖZÇELİK S., KOCABAŞ C., ÖZCAN Ş., CEYLAN A.
13 th NanoscienceNanotechnology Conference (NANOTR13), 22 - 25 October 2017
- IX. **The Effect of Temperature and Time on High Vacuum Sulfidation of Sputtered Sn Thin Films on SLG and SLG/Mo Substrates**
ALPDOĞAN S., METİN GÜBÜR H., ÇETİN S. Ş., ÖZÇELİK S., KOCABAŞ C., ÖZCAN Ş., CEYLAN A.
13 th NanoscienceNanotechnology Conference (NANOTR13), 22 - 25 October 2017
- X. **Structural and Magnetic Properties of Exchange-Coupled MnBi/MnB Nanocomposite Magnets**
ŞİMŞEK T., ÖZCAN Ş.
Moscow International Symposium on Magnetism, 1 - 05 July 2017
- XI. **A Promising Soft Magnet: MnB**
ŞİMŞEK T., ÖZCAN Ş.
APMAS 2017 7th International Advances in Applied Physics and Materials Science Congress Exhibition, 22 - 26 April 2017
- XII. **Synthesis and characterization of Ge nanoparticles embedded ZnO thin films**
CEYLAN A., ÖZCAN Y., ÖZCAN Ş., İDE S., ÖZBAY E., JENG U., ÖZÇELİK S., SHAH I.
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- XIII. **Fabrication and Magnetic Properties of Mn_{100-x}B₄₅C_x Bulk Alloys**
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